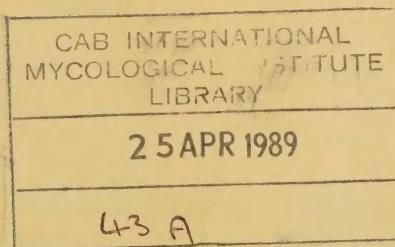


Review of Applied Entomology

Series B Medical and Veterinary

1988 VOLUME 76 ANNUAL INDEXES

Includes List of Source Journals





C·A·B INTERNATIONAL INFORMATION SERVICES

Wallingford, Oxon OX10 8DE, UK

Telephone: Wallingford (0491) 32111

Telex: 847964 (COMAGG G) Fax: (0491) 33508

Telecom Gold/International Dialcom: 84: CAU001

Director: J.R. Metcalfe MA, PhD, DIC, DTA

Deputy Director: C.P. Ogbourne BSc, PhD

Head, Marketing & Sales Division: Elaine Cook BSc, MLS

Chief Managing Editor (Animal Sciences): J.D. Turton BSc, MRCVS, DTVM

Chief Managing Editor (Plant Sciences): P. Wightman BSc

Commissioning Editor (Books and Primary Journals): T.J. Hardwick MA

Accessions Manager: Mrs S.P. Smith BA

Publications Manager: Mrs E.V. Storrie

Coordinator, Databank Projects: Mrs S.G. Dextre Clarke BSc(Chem), MSc(InfSci), FIlnfSc

Review of Applied Entomology Series B Medical and Veterinary

is a monthly journal prepared by the

CAB INTERNATIONAL BUREAU OF ANIMAL HEALTH
in association with the CAB International Institute of Entomology

Managing Editor

G.D. Phillips BSc, BVSc, PhD, MRCVS

Scientific Information Officers

Entomology

J.A.H. Brooks BSc, MSc, DIC, FRES

A.R. Pittaway BSc, MSc, DIC, FRES

Parasitology

C.E. Allsopp BSc

S. Bamford BSc, PhD

A.J. Davis BSc, MSc, PhD, MIBiol, FRES

E. Gascoigne FIL

C.W. Gordon BA, MIlnfSc

P.M. Neenan BSc, HDipinEd

G.I. Pozniak

Mycology

J.L. Halsall MSc, MIlnfSc

S. Bamford BSc, PhD

Veterinary Sciences

M.R. Cooper BSc

H.B.A. Derbyshire BVSc, PhD, FRCVS

M.G. Gotts MA

M.R. Hails BSc, DipAgricEcon, MIlnfSc

A.W. Johnson BVSc, MRCVS

C.D. Johnson CChem, MRSC

R. Taylor BSc, MIBiol

S.M. Woods MRCVS

Editorial Advisory Board

Dr. R. Garms, Bernhard-Nocht Institute,
Hamburg, Germany

Dr. K.M. Harris, CABI Institute of
Entomology, London, UK

Dr. E.F. Krafsur, Iowa State University,
USA

Dr. R.P. Lane, London School of Hygiene
and Tropical Medicine, London, UK

Dr. P.H. Langley, School of Veterinary
Science, University of Bristol, UK

Dr. R.W. Sutherst, CSIRO, Indooroopilly,
Australia

CBAH also prepares *Veterinary Bulletin*; *Index Veterinarius*; *Animal Disease Occurrence*; *Review of Medical and Veterinary Mycology*; *Review of Applied Entomology, Series B, Medical and Veterinary*; *Helminthological Abstracts, Series A, Animal and Human Helminthology*; and *Small Animal Abstracts*.

Orders and enquiries concerning current subscriptions and back numbers of this journal should be sent to the Marketing & Sales Division at the above address.

The Bureau of Animal Health (CBAH) is one of 11 Bureaux belonging to the Information Services of CAB International, a not-for-profit, inter-governmental organization which provides a range of professional services in agriculture throughout the world.

For further details of the whole range of CAB International publications and services see back cover.

Disclaimer

The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

CAB International does not accept responsibility for any trade advertisement included in this publication.

CAB International (CABI) is a non-governmental organization registered with the United Nations. It is owned and governed by its member governments. These countries include 28, the membership is open to all governments. Headquartered in Farnham, Surrey, the organization provides information, scientific, and technical services and advice worldwide throughout the world.

Information Services

Review of Applied Entomology

The main task of the Information Services Unit is to collect, collate and disseminate information on entomological subjects. This is achieved through the International Centre (ICAP) at Wallingford to fulfil specific briefs from member countries and to meet other services needs. Information is made available in printed form, databases, and online access to staff, members, publishers and customers. Primary journals and reference works, and training information products are also produced.

The Acquisitions Unit acquires the relevant literature and relevant aspects of the discipline by almost 100 scientists/librarians in the following 11 Bureaux:

Series B

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops

Medical and Veterinary

Further material is acquired and processed through the CABI Information Services Unit and co-ordinate work on specialized directories and bibliographies. Publications are reviewed and catalogued. The Publications Unit is responsible for printing 140 titles per year as books, and the Marketing & Sales Division promotes and sells Information Services products throughout the world.

Scientific Services

Volume 76

CABI's Scientific Services consist of four Institutes and support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Perry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Müller, located at Winches Farm, St Albans, the field station of the London School of Tropical Medicine.

These three Institutes provide an authorative information service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.



CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, near Ascot, and a field station in Maragua, Kenya. It is involved in biological control and Technology Transfer. It has two field stations and a development section which focus on insect pest control services, mainly through the development of natural enemies, and on training in the use of natural enemies for pest control.

Development Services provides advice and support to developing countries, and to international organizations, to provide advice and assistance with agricultural pest problems, training, research, and publishing and information services.

Library Services, Manager Mr G.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CASIC. Library Services operate a Document Delivery Service.

Prepared by

Systems

The Systems Division provides computing facilities and services to all parts of CABI. It maintains a central computing facility with telecommunications links to all parts of the organization, including the four CABI Institutes. CASIC is served by a modern computer system with direct links to the computers, and by advanced office automation facilities. The principal computer systems and the principal software systems are BASIS for data processing and management, and TELNET for remote access and information retrieval.

The staff of 20 includes database production personnel, systems analysis, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus acquisitions control, subscription management and electronic publishing.

1988

ISSN 0305-0084

© C·A·B International, 1989

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without the prior permission of the copyright owner.

Review
published by

C·A·B International
Wallingford
Oxon OX10 8DE UK

Managing Editor:

Dr C. Williams, DVM, PhD, FRCVS, FRCR

Scientific Information Officers:

John Barnes

Pauline Bowes, PhD, DVM, MRCVS

Mike Chappell, PhD, DVM, MRCVS

Peter Edwards

Clare Moxon, PhD

John Newbold, PhD, MRCVS

Pauline Pugh, PhD, DVM, MRCVS

Christopher Price

Chris Groombridge, MRCVS

Mike Thompson, PhD, MRCVS

Clive Williams

The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.



Unwin Brothers Ltd, The Gresham Press, Old Woking, Surrey, UK.

printed by

1989

Disclaimer

The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

This document contains neither recommendations nor conclusions of the International Institute of Animal Health. Responsibility for the contents lies solely with the author(s).

C·A·B INTERNATIONAL

CAB International (CABI) is a not-for-profit, intergovernmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 28, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

Information Services

The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

Agricultural Economics
Animal Breeding & Genetics
Animal Health
Dairy Science & Technology
Nutrition
Pastures & Field Crops

Crop Protection
Horticulture & Plantation Crops
Plant Breeding & Genetics
Soils
Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services worldwide.

Scientific Services

CABI's Scientific Services consist of four Institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St. Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and PAGER for typesetting and information retrieval.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

C·A·B INTERNATIONAL INFORMATION SERVICES PRODUCTS AND SERVICES

Almost 100 scientists/linguists in the 11 Bureaux of CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 10000 serials and many other publications are scanned, and approximately 130000 bibliographic records are compiled each year. From this computerized database is derived a wide range of information services and products in hard copy and machine-readable form, designed to meet a variety of customer needs.

HARD COPY PRODUCTS

Abstract journals

The following abstract journals on specific disciplines, specialist crops or products, or particular livestock are published, mostly monthly or quarterly. Each has author and subject indexes, cumulated annually in a special issue of the journal.

Animal Science and Production

Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts & Reviews, Series B-Livestock Feeds & Feeding; Pig News & Information; Poultry Abstracts.

Veterinary Science and Parasitic Diseases

Animal Disease Occurrence; Helminthological Abstracts, Series A-Animal & Human Helminthology; Index Veterinarius; Protozoological Abstracts; Review of Applied Entomology, Series B-Medical & Veterinary; Review of Medical & Veterinary Mycology; Small Animal Abstracts; Veterinary Bulletin.

Crop Science and Production

Cotton & Tropical Fibres Abstracts; Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Lentil Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Tropical Oil Seeds Abstracts; Wheat, Barley & Triticale Abstracts.

Forestry

Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection

Biocontrol News & Information; Helminthological Abstracts, Series B-Plant Nematology; Review of Applied Entomology, Series A-Agricultural; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology

Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; Rural Extension, Education & Training Abstracts; World Agricultural Economics & Rural Sociology Abstracts.

Machinery and Buildings

Agricultural Engineering Abstracts.

Human Nutrition

Nutrition Abstracts & Review, Series A-Human & Experimental.

Biotechnology/Biodeterioration

AgBiotech News & Information; Biodegradation Abstracts.

Also published is a new series of current awareness publications (CAB Prompts) on specific crops. Subject indexes are not provided. Titles in the series so far are: *Groundnuts* and *Chickpeas/Pigeonpeas*.

Many retrospective compilations of abstracts (Annotated Bibliographies) on various topics are available on demand.

SDI Service

SDI (Selective Dissemination of Information) is a regular current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their own choice, either as computer printout or on floppy discs suitable for most microcomputers. Airmail ensures fast delivery.

CAB Alerts

This is a special SDI service providing subscribers each month with the search results from standard profiles chosen by CABI. Numerous titles are available and the list is regularly updated to reflect new subject interests. Output is available on computer printout posted by airmail.

MACHINE-READABLE PRODUCTS AND SERVICES

Online Access

The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

Magnetic tapes

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

OTHER PRODUCTS AND SERVICES

Document Delivery Service

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DIALORDER or ESA/IRS's PRIMORDIAL.

Books and serial publications

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research*, *Index of Current Research on Pigs*, *Distribution Maps of Pests*, *Distribution Maps of Plant Diseases*, *Bibliography of Systematic Mycology*, *Descriptions of Pathogenic Fungi & Bacteria*, *Index of Fungi*, and *Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts*.

READERS GUIDE

The purposes of the citations and abstracts are to enable readers to: identify documents containing information of relevance and importance to their interests; keep themselves informed of the progress of current work; decide whether or not they need to see original documents. Abstracts may also act as substitutes for documents not available to readers or in language they cannot understand. Photocopies of most items abstracted are available through C.A.B International's Document Delivery Service. (see request form in this journal). The titles and abstracts in this journal have been added to the CAB ABSTRACTS database which is available for current and retrospective online searches.

In a typical entry the name(s) of the author(s) is followed by the title of the paper in English. If the original paper is not written in English then a translation of the title is enclosed in square brackets and the title of the original language follows (except for Arabic, Chinese, Japanese, etc). Cyrillic characters are transliterated for book titles but not for titles of papers. The unabridged journal title is given next (transliterated or romanised if necessary). The year of issue in round brackets, volume number, part number in round brackets, and first and last page numbers of the article complete the basic citation.

Supplementary information, given in square brackets, includes the language of the paper (see abbreviations) and language(s) of additional summary(ies) and the number of references cited in the paper.

The address cited for an abstract normally refers to the first author and is usually the place where the work was carried out.

Authors summaries are used for the abstracts if suitable. Special efforts are made to provide informative abstracts of papers in less commonly used languages and in publications which cannot easily be obtained. In consulting an entry the reader should remember that the title of the paper is an integral part of the abstract and may include information necessary for its full comprehension. Names or phrases in square brackets within a title or abstract have been added during abstracting and do not appear in the original document.

ABBREVIATIONS FOR LANGUAGES

An initial capital letter denotes the language of the paper, an initial small letter the language of a summary.

Afrikaans	Af	Finnish	Fi	Malay, Bahasa Malaysia	My
Albanian	Al	French	Fr	Dutch, Flemish	Nl
Arabic	Ar	Greek	Gr	Norwegian	No
Azerbaijani	Az	Hebrew	He	Persian	Pe
Byelorussian	Be	Hungarian	Hu	Polish	Pl
Bulgarian	Bg	Interlingua	Ia	Portuguese	Pt
Chinese	Ch	Indonesian	In	Romanian	Ro
Czech	Cs	Icelandic	Is	Russian	Ru
Danish	Da	Italian	It	Serbo Croat	Sh
German	De	Japanese	Ja	Slovak	Sk
Estonian	Ee	Korean	Ko	Slovene	Sn
English	En	Latin	La	Swedish	Sv
Esperanto	Eo	Lithuanian	Li	Tajik	Ta
Spanish	Es	Latvian	Lv	Turkish	Tr
		Macedonian	Ma	Ukrainian	Uk

Other abstractors contributing to Review of Applied Entomology Series B

W.M. Pitman

R. Mack

T.S. Robertson
Chinese Academy of
Agricultural Sciences

CAB International Bureau of Animal Health also prepares:
Animal Disease Occurrence
Helminthological Abstracts, Series A, Animal and Human Helminthology
Index Veterinarius
Protozoological Abstracts
Review of Medical and Veterinary Mycology
Small Animal Abstracts
Veterinary Bulletin

C·A·B INTERNATIONAL INSTITUTE OF ENTOMOLOGY

56 QUEEN'S GATE, LONDON SW7 5JR, UK

Telephone: 01-584 0067 Fax: 01-581 1676 Telex: 9312102255 BC G

Identification Service: c/o British Museum (Natural History),
Cromwell Road, London SW7 5BD, UK

Director

K.M. Harris, BSc, DSc, DAS, DTA, FI Biol

Consultant Director

L.A. Mound, DSc, DIC, DTA

Keeper of Entomology, British Museum (Natural History)

Taxonomists

J.D. Holloway, MA, PhD

R. Madge, MS, PhD

G. Stonedahl, BSc, MSc, PhD

A.K. Walker

G.W. Watson, BSc, DIC, PhD

Scientific Information Officer

A.M. Wood, BA

Editorial Assistant:

J. Hickman, BSc

Administrative Officer

Mrs S.K. Dexter

Senior Editorial Assistant:

J.K. Harvey

SDI Services

SDI (Selective Dissemination of Information) services provide direct input to the databases. Individuals can receive their own material, either as computer-readable or on floppy diskettes, for most journals and services available.

CAB Abstracts

This is a global SDI service providing subscribers and research centres with access to over 2 million records available on-line via electronic bulletin boards or on computer-readable media by telephone.

MACHEART-READABLE PRODUCTS AND SERVICES

On-line Access

The machine-readable database, known as CAB ABSTRACTS, is available worldwide online through DIALOG Information Services (USA), BRS Information Technologies (UK), CSA-DBI (Canada), DIMDI (FRG), JICST (Japan), CAN-COL (Canada) and Tsukuba Databank (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Citation Special, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1986).

Magnetic tapes

Organisations with access to mainframe or minicomputer may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes are required.

OTHER PRODUCTS AND SERVICES

Document Delivery Service

Photocopies of originals of most articles included in the database are available from CABI Library Services,

Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DOCUMENTS or

ESABRS's PRIMORDIAL.

Books and serial publications

CABI publishes authoritative reference books, directories and serial publications, the latter including

Index of Entomological Research, *Index of Current Research on Pests*, *Distribution Maps of Pests*, *Distribution Maps of Plant Diseases*, *Bibliography of Systematic Mycology*, *Descriptions of Pathogenic Fungi & Bacteria*, *Index of Fungi*, and *Systemic Ascomycetum*. CABI is a co-sponsor of the International Pest Information Service which publishes *Food Science & Technology Abstracts*.

REVIEW OF APPLIED ENTOMOLOGY

Series B Medical and Veterinary

prepared by the

C·A·B INTERNATIONAL BUREAU OF ANIMAL HEALTH

Managing Editor

G.D. Phillips BSc, BVSc, PhD, MRCVS

Scientific Information Officers

Mycology

J.L. Halsall MSc, MIInfSc
S. Bamford BSc, PhD

Entomology

J.A.H. Brooks BSc, MSc, DIC, FRES
A.R. Pittaway BSc, MSc, DIC, FRES

Parasitology

C.E. Allsopp BSc
C. Barnes BSc

A.J. Davis BSc, MSc, PhD, MIBiol, FRES

E. Gascoigne FIL

C.W. Gordon BA, MIInfSc
P.M. Neenan BSc, HDipEd
G.I. Pozniak

Veterinary Sciences

M.R. Cooper BSc

H.B.A. Derbyshire BVSc, PhD, FRCVS
M.G. Gotts MA

M.R. Hails BSc, DipAgricEcon, MIInfSc
A.W. Johnson BVSc, MRCVS
C.D. Johnson CChem, MRSC

R. Taylor BSc, MIBiol

S.M. Woods MRCVS

Consultant Director

W.A. Watson BVSc, PhD, FRCVS
Editorial Assistant

(taxonomic nomenclature)

J. Hickman, BSC

Data Entry Staff

J.D. Arnold

C. Bristow

J. Gamble

L. Olliffe

D.J. Shrimpton

T.S. Robertson
Chinese Academy of
Agricultural Sciences

Other abstractors contributing to Review of Applied Entomology Series B

W.M. Fitzsimmons

R. Mack

CABI Bureau of Animal Health also prepares:

Animal Disease Occurrence

Helminthological Abstracts, Series A, Animal and Human Helminthology

Index Veterinarius

Protozoological Abstracts

Review of Medical and Veterinary Mycology

Small Animal Abstracts

Veterinary Bulletin

Review of Applied Entomology

Series B Medical and Veterinary

CONTENTS

VOLUME 76

Editorial Notice	1
TAXONOMY.....	3 29 51 77 111 135 167 199 251 291 313 363
ANATOMY, MORPHOLOGY	3 29 51 77 111 135 167 199 251 291 313 363
REPRODUCTION AND DEVELOPMENT	3 29 51 77 111 135 167 199 251 291 313 363
PHYSIOLOGY AND BIOCHEMISTRY	3 29 51 77 111 135 167 199 251 291 313 363
GENETICS AND STERILITY	3 29 51 77 111 135 167 199 251 291 313 363
ECOLOGY AND BEHAVIOUR.....	3 29 51 77 111 135 167 199 251 291 313 364
GEOGRAPHICAL DISTRIBUTION, FAUNAS....	3 29 51 78 111 135 168 200 252 291 313 365
TECHNIQUES AND APPARATUS	3 29 51 78 111 136 168 200 252 291 314 365
ARTHROPODS OF MEDICAL AND VETERINARY IMPORTANCE	3 29 51 78 111 136 169 200 252 292 314 365
Blattaria	4 29 52 78 112 136 169 201 252 292 314 366
Mallophaga.....	5 30 53 79 113 138 171 203 254 293 — 368
Anoplura	5 30 53 79 113 138 171 203 255 293 316 369
Hemiptera	5 30 53 79 113 138 171 204 255 293 316 369
Reduviidae	5 30 53 79 113 138 171 204 255 293 316 369
Cimicidae	6 — 53 — 113 — — 205 256 294 318 —
Other Hemiptera	— — — — 113 139 171 205 — 294 — —
Siphonaptera.....	6 30 53 80 113 — 171 205 256 294 318 370
Diptera	7 30 53 81 114 139 171 206 256 294 319 370
Culicidae	7 31 53 81 114 139 172 206 257 294 319 370
Ceratopogonidae	12 33 58 89 118 142 176 213 263 297 334 376
Phlebotominae	12 33 59 90 118 143 176 215 263 298 335 376
Simuliidae	14 34 60 90 119 143 177 217 264 299 336 377
Glossinidae	15 34 60 91 120 144 177 218 265 300 337 377
Oestridae, Gasterophilidae, Cuterebridae	16 35 61 — 120 147 178 219 266 300 338 379
Other Diptera.....	16 35 62 92 120 147 178 220 267 301 339 379

ERRATA

Volume 76 (1988)

Abstracts No.

- 632 year of publication should read '1986'; journal volume should read '77'
678 after '*Jussiaea repens*' insert '[*Ludwigia repens*]'
698 for 'Dergacheva, T.L.' read 'Dergacheva, T.I.'
789 after '*Callosciurus flavimanus*' insert '[*C. erythraeus*]'
1069 year of publication should read '1986'
1170 for '*C. riparius thummi*' read '*C. riparius riparius*'
1198 for 'Abdul Rehman, S.' read 'Abdul Rahman, S.'
1258 for '*Androctonus australis* Hector' read '*Androctonus australis hector*'
2001 year of publication should read '1988'; journal volume should read '89'
2922 for 'Holman, M.G.' read 'Holman, G.M.'
2923 for 'Holman, M.G.' read 'Holman, G.M.'
2931 after '*Urocyon cinereoargenteus*' insert '[*V. cinereoargenteus*]';
after '*U. littoralis*' insert '[*V. littoralis*]'
3039 for 'Coleman, E.R.' read 'Coleman, R.E.'
3080 after '*Ilione albisetosa*' insert '[*Knutsonia albisetosa*]'
3089 after '*Euoniticellus triangulatus*' insert '[*O. triangulatus*]'
3207 for 'Hadani' read 'Hadani, A.'

AUTHOR INDEX

- ==== 1892
 Aalberse, R. C. 1512
 Aaskov, J. G. 371
 Abalain-Colloc, M. L. 683
 Abbas, B. 1850
 Abbassy, M. M. 1627
 Abbeele, J. van den 1384
 Abbott, W. S. 2499
 Abd-Allah, G. A. 3322
 Abd-Elsalam, M. A. 2822
 Abdel-Hafez, S. 2085
 Abdel Moez, M. K. 767
 Abdel-Mohsen, A. 655
 Abdel-Rahman, A. M. 1354
 Abd-elaziz, S. A. 2284
 Abdelmonem, A. E. 774
 Abdelsalam, E. B. 1967
 Abdou, O. M. A. 2439
 Abdu, P. A. 2175
 Abdul Rahman, S. 998, 1198,
 1468, 2192
 Abdullah, I. A. 1834
 Abe, T. 1488, 2159
 Abeyewickreme, W. 1641
 Abeyounis, C. J. 1176
 Ablett, S. 2734
 Abo-Elezz, Z. 3322
 Aboughal, A. 2419
 Abreu, E. 3202
 Abrosimova, L. I. 1515
 Abu-Samra, M. T. 1850, 1871
 Abu Tubeilah, F. 1021
 Abubake Ibrahim, A. 2683
 Abul-hab, J. 2053
 Acevedo, A. 346
 Ackerman, L. 204
 Ackland, J. 1869
 Adak, T. 672, 1357
 Adam, A. V. 2847
 Adam, F. 3241
 Adam, G. 7
 Adams, A. J. 2274
 Adams, M. E. 820
 Adams, R. H. 2634
 Adams, S. 1777
 Adams, T. S. 2736
 Adang, M. J. 3256
 Addah, L. 3173
 Addison, B. I. 2154
 Aerts, P. C. 1513
 Aeschlimann, A. 1450, 1793,
 1916
 Afram Michael, S. 269
 Agar, P. Martín de 2502
 Agarwal, M. K. 1925
 Agarwal, R. A. 2299
 Agbede, R. I. S. 177, 991
 Agee, H. R. 1058
 Aggour, M. G. A. 1022
 Agnese, J. J. d' 2913
 Agooh, M. O. 3104
 Agosti, M. 1719
 Agresti, A. 341
 Agricola, H. 2512
 Aguilar, G. M. de 96
 Aguirre S., A. 942
 Ahdal, M. N. Al- 2699
 Ahmad, R. 753
 Ahmad, S. 2399
 Ahmed, M. M. M. 2379
 Ahmed, S. M. 963
 Ahmed, S. R. 380
 Ahn, Y. J. 291
 Ahraf, A. El- 2110
 Ahrens, E. H. 1458, 3147
 Aiello, A. 3088
 Aitken, I. D. 1507
 Aizawa, K. 1643
 Akande, N. 2270
 Akhmedov, A. D. 766
 Akhtar, K. 1090
 Akhunov, A. A. 1025
 Akiba, K. 447
 Akimov, I. A. 194
- Akin, D. E. 1689
 Akre, R. D. 2818
 Aksanova, A. S. 624
 Al-Ahdal, M. N. 2699
 Al-Ani, A. A. J. M. 996
 Al-Ani, I. A. 882
 Al-Asgah, N. A. 778, 2186-
 2187
 Al-Azze, T. K. 1733
 Al-Busaify, S. 1027
 Al-Chalabi, B. M. 237, 1087
 Al-Fazairy, A. A. 2045
 Al-Habib, O. A. 1660
 Al-Hafidh, R. 1840
 Al-Hassan, L. A. J. 1631
 Al-Juboori, S. A. 1660
 Al-Khalifa, M. S. 778, 2186-
 2187
 Al-Muarrawi, M. W. 1730
 Al-Obaidi, A. S. R. 882
 Al-Safadi, M. M. 2223
 Al-Shukur, M. 399
 Al-Soudi, K. A. 882
 Alabay, M. 3209
 Alagón, A. C. 1023
 Alarcón, A. Morales 1635
 Albani-Vangili, R. 2432
 Albarelli, A. 2012
 Albert, J. P. 2973
 Albiano, N. 1949-1950
 Aldrete, A. N. García 3092
 Aldridge, N. 366
 Alecrim, W. D. 2597
 Alekseev, A. N. 38, 623, 629,
 2539
 Alencar, M. M. de 1845
 Alentorn, M. Batiste- 953
 Ale, s. A. C. 315
 Alexander, B. 2086
 Alexander, T. J. L. 284
 Ali, A. 2577
 Ali, A. A. 2124
 Ali, H. J. 45
 Alioshkina, L. D. 1906
 Alirzaev, G. U. 629
 Allah, G. A. Abd- 3322
 Allan, S. A. 1201
 Allegri, E. 409
 Allen, D. W. 2580
 Allen, J. R. 170
 Allen, R. G. 151
 Alli, I. 3127
 Allingham, P. G. 2937
 Allison, C. E. Machado- 46,
 891
 Allon, Y. 2474
 Allsopp, R. 1380
 Almar, M. M. 1957
 Almeida, A. M. P. de 30
 Almeida, A. P. 2232
 Almeida, C. R. de 30
 Almeida, J. M. d' 2394
 Almeida, J. R. de 19-20
 Alonso, J. M. 558
 Alpers, M. P. 1645, 3175
 Alsaadi, M. S. 2058
 Altschuler, D. Z. 1586
 Alvarez, F. 3118
 Alvin, R. 1028
 Aly, C. 1368, 2614, 2644
 Aly, M. I. 2046
 Alzieu, J. P. 2246
 Amaducci, L. 1110
 Amalraj, D. 912, 916-917
 Amamy, M. El- 1042
 Amano, K. 111
 Amanov, E. A. 766
 Amaral, N. K. 3167
 Ameixeiro, A. R. 2775
 Amonkar, S. V. 2637
 Amstel, S. R. van 2424
 Amundson, T. E. 525
 Anand, R. K. 1179
 Anantaraman, M. 1455
- Ananthakrishnan, T. N. 2889
 Ancelle, T. 2824
 Andersen, A. N. 3117
 Andersen, G. 2220
 Anderson, B. D. 2640
 Anderson, J. F. 427, 523-524,
 561, 868, 2766, 2788
 Anderson, J. R. 446, 1362,
 2337
 Anderson, K. 1294
 Anderson, L. M. 138, 2956
 Anderson, M. 2497
 Anderson, P. C. 1736, 3250
 Anderson, R. A. 2563
 Anderson, R. C. 2932
 Anderson, R. L. 3302
 Anderson, R. M. 363
 Anderson, W. B., Jr. 946
 Anderson, W. W. 1544
 Anderssohn, A. M. 1185
 Andis, M. D. 2552, 2590
 Ando, K. 971
 Ando, K. I. 1411
 Ando, T. 3288
 Andrade, C. A. 93, 95
 Andre, R. G. 928, 2541, 2547,
 2716
 Andreadis, T. G. 561, 1657,
 2063
 Andreeva, R. V. 127
 Andreu, E. 1957
 Andreu, H. 3054
 Andrews, R. E., Jr. 855
 Andrews, R. H. 791, 2193
 Andriès, J. C. 2914
 Andujar, F. 2659
 Anelli, C. M. 3021
 Angel Cañas, G. del 1633,
 1638
 Angioy, A. M. 960, 2140,
 2737, 3064
 Angsuthanasombat, C. 1270
 Ani, A. A. J. M. Al- 996
 Ani, I. A. Al- 882
 Anjum, F. 3323
 Ansari, B. A. 1281
 Ansari, M. A. 2077, 2543
 Antoine, M. 2402, 2402
 Aoki, S. 981
 Aoki, T. I. 1953
 Aouchiche, M. 1978
 Aoyama, H. 859
 Apasov, G. S. 33
 Appel, A. G. 878, 1317
 Apperson, C. S. 617, 2582,
 2642
 Arab, R. M. H. 2439
 Arafa, M. A. S. 2025
 Arai, M. 1939
 Arakawa, R. 2647
 Araújo, A. L. de 1987
 Araújo Filho, N. A. 1558
 A/Razig, A. A. 534
 Arbeille, J. 2911
 Archbold, E. F. 878, 1057,
 1572
 Archer, W. E. 1343
 Archibald, D. E. 2391
 Arcus, Y. M. 63
 Arevad, K. 2389
 Argaman, Q. 3135
 Argente, G. 1725, 2109, 3007
 Argiolas, A. 3097
 Arias, J. R. 1686, 2371
 Aristova, V. A. 173
 Arlian, L. 1063
 Arlian, L. G. 1877
 Armbruster, L. 2130
 Armour, J. 1974
 Arnold, E. N. 206
 Arnold, E. P. 3317
 Aronson, A. I. 1035
 Arriagada S., G. 2413
 Arruda, M. de 1333
- Arteaga, I. de Haro 1588,
 1590
 Artem'ev, M. M. 36, 624
 Artsob, H. 367
 Artyukhina, I. N. 716
 Arunachalam, S. 3309
 Arx, J. A. von 2957
 As, J. G. van 1901, 2242
 Asano, S. 666
 Åsbrink, E. 2190
 Aschenborn, H. H. 757
 Asgah, N. A. Al- 778, 2186-
 2187
 Ashall, F. 2529
 Ashetova, I. N. 1722
 Ashmawy, K. 339, 1888
 Ashmole, M. J. 1545
 Ashmole, N. P. 1545
 Asiago, C. M. 2067
 Askenase, P. W. 762, 1470
 Askew, R. R. 1977
 Aslam, M. 1281
 Asman, S. M. 2575, 2954
 Aso, Y. 2400
 Assatherawatts, A. 1921
 Ataev, K. 691
 Atkinson, P. 3217
 Atkinson, R. K. 815
 Atkinson, W. D. 1549
 Atyeo, W. T. 1483, 3195
 Auffray, Y. 2261
 Augustine, P. C. 3189
 Ault, S. K. 2321
 Australia, Australian Veterinary
 Association 1531
 Australia, Bureau of Flora and
 Fauna 2882-2883
 Australia, Waite Agricultural
 Research Institute 220
 Autef, P. 2201
 Avancini, R. M. P. 955, 965
 Avdeev, A. N. 3009
 Awiti, L. R. S. 2188
 Awiti, L. S. 2765
 Axelsen, A. 2147
 Axtell, R. C. 750, 1782, 2562,
 2598-2599, 3034, 3110,
 3124, 3191
 Ayala, F. J. 81, 1682
 Ayeb, M. El- 2229, 3226
 Azad, A. F. 1330, 2022
 Azambuja, P. 2016, 2940
 Azambuja, P. de 16-17
 Azevedo, A. C. R. 93
 Aziz, J. B. 1660
 Aziz, N. 2589
 Azzeh, T. K. Al- 1733
 Ba, K. 781
 Baba, M. 2994
 Baba, S. 532
 Babaeva, P. V. 1515
 Baccus, J. T. 2212
 Bache, D. H. 2276
 Badawy, A. 550
 Badcock, J. A. 2115
 Badescu, C. 66
 Badii, M. H. 2629
 Baena, M. 2327
 Baer, H. 2408
 Baerwald, R. J. 1078
 Bagley, C. P. 118
 Bahraoui, E. 2229, 2815, 3226
 Bahraoui, E. M. 1495
 Bai, L. Y. 1339
 Bairdovtseva, M. A. 589
 Baidu, Y. Ntiamoaa- 1804,
 2777-2778
 Baik, D. H. 252
 Bailey, C. L. 430, 1093, 1618,
 1629, 2032, 2035, 2546,
 2948
 Bailey, P. C. E. 1298
 Bailey, R. E. 560, 918
 Baimai, V. 928, 2602

- Bain, O. 2195, 2449
 Bairden, K. 3324
 Bakary, Z. El- 551
 Baker, A. A. 1911
 Baker, F. C. 2897, 3330
 Baker, G. H. 839
 Baker, M. 822
 Baker, R. A. 1291
 Baker, R. C. 888
 Baker, R. H. A. 2682
 Bakthathavathsalam, R. 858,
 1275, 2295
 Balandrin, M. F. 2966
 Balaraman, K. 420-421, 423,
 426, 906, 910-911, 915
 Balasubramanian, U. 858
 Balderrama, N. 21
 Baldo, B. A. 1511, 2803
 Baldry, D. A. T. 2682
 Balducci, M. 1110
 Baldus, T. J. 2001
 Baldwin, G. A. 2817
 Bale, J. S. 2901
 Ball, E. 579
 Ballard, J. W. O. 2135
 Baloch, A. A. 1739
 Balsbaugh, E. U., Jr. 3131
 Balu, A. 604
 Banaja, A. A. 775
 Banby, M. A. El- 977-979
 Banda, H. K. 1711
 Banerjee, K. 903, 905, 913
 Banerji, R. K. 378
 Bang, Y. H. 2334
 Banks, B. E. C. 1183, 1435
 Banks, W. A. 2763
 Bantle, J. A. 323
 Banu, Q. 1640
 Bänziger, H. 1426, 3090
 Barak, Z. 2474
 Baraka, A. A. E. M. 947
 Baranton, G. 1915, 2830
 Barbarossa, I. T. 960, 2140,
 3064
 Barbiero, V. K. 709
 Barboni, E. 2162
 Barbosa, A. 2363
 Barbosa, A. F. 93, 95, 2671
 Barbosa, P. 1984
 Barbour, A. G. 2837
 Barclay, H. J. 1544, 2278
 Bardalaye, P. C. 381
 Bardin, P. G. 1274
 Barretino, D. 1170
 Barhanin, J. 3026
 Barjac, H. d' 1931
 Barker, I. K. 1053
 Barker, R. F. 3256
 Barker, R. W. 171
 Barker-Hudson, P. 2643
 Barnby, M. A. 3334
 Barnes, H. J. 2311
 Barnes, L. 1480
 Barnes, R. S. K. 3342
 Barnetson, R. St. C. 1016
 Barnola, F. V. 816
 Barnor, H. F. 1709
 Baron, R. W. 469, 2457
 Barr, A. R. 661
 Barré-Sinoussi, F. 433, 3073
 Barrett, F. M. 1326
 Barrett, J. T. 824
 Barrett, T. V. 1686, 2371
 Barreto, A. C. 88-89, 1679,
 2362
 Barriga, O. O. 2659
 Barrio, A. G. 2475
 Bartell, D. P. 1425
 Barth, D. 3208
 Barthelmess, C. 1115
 Bartkowska, K. 1329
 Bartle, K. D. 1053
 Bartlett, C. M. 2932
 Bartlett, J. 972, 986
 Bartolozzi, D. 1110
 Barton Browne, L. 475, 1741,
 2738
 Bartsch, V. I. 1856
 Barzilai, E. 2835
 Bashamohideen, M. D. 1277-
 1278
- Bass, J. A. B. 706
 Bass, M. H. 3126
 Bassal, T. T. M. 728-729
 Bassemir, U. K. 2726
 Bassi, D. G. 1366, 2620
 Bassols, I. 346
 Bastien, P. 2335
 Basu, A. K. 2436
 Bates, P. G. 2431
 Batiste-Alentorn, M. 500, 953
 Batra, C. P. 2077, 2543
 Battisti, L. 565
 Baudry-Partiaoglou, N. 1993
 Bauer, B. 1127
 Baumann, E. 1996
 Baumann, L. 1526, 3267
 Baumann, P. 687, 1526, 3267
 Baumgartner, D. L. 114, 613,
 2606
 Baur, X. 2120, 3069
 Bausher, C. J. 888
 Bautz, J. G. 2786
 Bautz, A. M. 2130
 Bawaskar, H. S. 1491
 Bawaskar, P. H. 1491
 Bay, D. E. 713, 2730
 Bayliss, R. A. 1291
 Bayón, A. 3220
 Bayouni, O. C. 2050
 Bazan, H. O. 1458
 Baze, W. B. 1029
 Bazzo, R. 1186
 Beach, R. F. 2353, 2375, 2680
 Beadle, C. A. 9, 398
 Beadle, D. J. 9, 398, 2514
 Beall, C. J. 579
 Bean, K. G. 281
 Beasley, J. N. 825
 Beatty, B. J. 1092, 1669
 Beaujolin, E. 2967
 Beaver, P. C. 1841
 Beçak, W. 1044
 Beccari, E. 1301
 Bechara, G. H. 315
 Beck, A. F. 790
 Beck, H. I. 545, 2222
 Beck, J. 1569
 Becker, J. L. 433, 3073
 Becker, J. M. 383
 Becker, N. 234
 Becker, W. M. 2120, 3069
 Beckers, H. J. 2832
 Beckingham, K. 293, 3044
 Beckman, W. 1035
 Bedo, D. G. 1406
 Been, T. H. 1744
 Beerman, H. 364
 Behera, B. C. 2293
 Behrenz, W. 594
 Beier, J. C. 1627, 1683-1685,
 2067, 2343, 2570
 Beier, M. S. 2570
 Bélai, I. 144
 Belem, A. M. G. 3008
 Belhaj, M. S. 2935
 Belichuk, L. S. 1196
 Belikoff, E. J. 3044
 Bell, W. J. 949
 Bellés, X. 1060, 1577
 Belliard, J. 2663
 Belluomini, H. E. 1460
 Belpomme, M. Best- 3073
 Belton, P. 2111
 Belzer, W. R. 3081
 Ben-Ismail, R. 2987
 Ben-Rachid, M. S. 2987
 Ben-Yakir, D. 171
 Benach, J. L. 1840
 Bence, J. R. 636, 1664, 2645
 Bender, M. 719
 Bendheim, U. 22
 Benes, H. 2152
 BenEzra, D. 2009
 Benítez Rodríguez, R. 13, 596-
 597
 Bennati, D. 1859
 Benner, D. B. 2403
 Bennett, B. 2857
 Bennett, G. F. 708
 Bennett, G. W. 2919
 Benson, B. E. 3307
- Benson, E. P. 1316, 2920
 Benton, A. W. 2407
 Benton, E. C. 1016
 Benton, M. J. 206
 Benzoni, G. L. 2582, 2642
 Ber, E. 3224
 Berdel, D. 1923
 Berdyev, A. B. 324
 Berg, M. J. van den 2137
 Bergmeister, H. 794
 Bergstrom, G. 2404, 3019,
 3036-3037, 3048
 Beriajaya 543
 Berkhoff, H. A. 2836, 3244
 Berlinger, F. 306
 Berman, E. 22
 Bermudez, I. 9, 2514
 Bernal, S. Ibáñez- 690
 Bernard, G. Vattier- 83
 Bernard, J. 586, 2000
 Bernardo, M. J. 1693-1694
 Bernasconi, A. M. 602
 Berndt, J. 2480
 Berne, M. E. A. 511
 Bernes, A. 379
 Bernotat-Danielowski, S. 2944
 Bernstein, D. I. 1063
 Bernstein, I. L. 1063, 1877
 Bernstein, M. 3085
 Berrens, L. 805, 1512-1513
 Berreut, P. 295
 Berry, I. 3075
 Berry, I. L. 1155
 Berry, W. J. 1620, 1654, 2613
 Berti Filho, E. 490
 Berzhets, V. M. 810, 1247
 Besansky, N. J. 429
 Besch-Williford, C. 1954
 Besselaar, T. G. 2251
 Bessot, J. C. 3196
 Best-Belpomme, M. 3073
 Betke, P. 487
 Bettini, S. 931
 Beukelman, C. J. 1513
 Beumer, J. P. 2660
 Beveridge, M. 1807-1808,
 1829
 Beyenbach, K. W. 2959
 Bezuidenhout, J. D. 3149
 Bhalla, S. C. 2543
 Bhargava, S. 12
 Bharija, S. C. 2935
 Bhasin, V. K. 1665
 Bhasker, C. G. 199, 2006
 Bhat, H. R. 908, 1026, 1821
 Bhatia, M. C. 420
 Bhatnagar, P. 12, 2867
 Bhattacharya, B. K. 572
 Bhattacharya, S. 681
 Bhunya, S. P. 2293
 Bialek, W. 3070
 Bianchi, A. G. de 2398, 2722
 Bianchi, N. O. 2646
 Bidlingmayer, W. L. 643, 649,
 2586
 Bidochka, M. J. 1036, 3277-
 3278
 Bieber, A. L. 410, 851, 867,
 1662
 Biedler, E. J. 653
 Biering, I. 507
 Biesemans, W. 586
 Bigaignon, G. 1914
 Bilbie, I. 51
 Bilimoria, S. L. 1425
 Billingsley, P. F. 601, 2015
 Bin, H. 3164
 Binisol, E. S. 432
 Bird, I. 2863
 Bird, T. G. 2708
 Birdie, N. S. 378
 Birju, B. 1879
 Birkenbeil, H. 2515
 Birky, B. K. 2952
 Birley, M. H. 686
 Bisalbutra, P. 196
 Bischoff, E. 1865
 Bischof, M. 160, 2751
 Bischoff, E. 805, 1009, 2811
 Bishop, D. M. 112, 2702
 Bishop, P. J. 47
- Bissadidi, N. 1715-1716
 Bissett, M. L. 1203
 Biswas, D. 675
 Bizzeti, M. 3212
 Bjamba, B. 2176
 Bjerring, P. 2222
 Björkander, J. 505-506
 Björkstén, B. 357
 Blaauw, P. J. 1770
 Black, F. 1204
 Black, W. C. 1732
 Black, W. C., IV 494, 2051
 Blackburn, N. K. 366, 2251,
 2345, 2451
 Blackmer, J. L. 39
 Blackwell, R. G. 1262
 Blagburn, B. L. 2243
 Blagburn, J. M. 1997
 Blakeslee, B. 274-275
 Blanca, M. 3095
 Blay, J. A. Santiago- 1894,
 1897
 Blest, A. D. 2896
 Bloch-Michel, E. 1978
 Bloemer, S. R. 1832
 Blomquist, G. J. 2399, 2709
 Blondel, D. 563, 1030
 Bloomcamp, C. L. 116
 Bloomfield, P. 617
 Blouin, E. F. 1796
 Blower, S. 1295
 Blum, M. S. 1427, 1788, 2812,
 3117
 Blum, R. 1864
 Blume, R. R. 2755
 Boakye, D. 2682
 Boakye, D. A. 97
 Bockarie, M. J. 1700, 1704
 Boctor, F. N. 1799
 Bodreeva, L. A. 282
 Boeckh, J. 1999
 Bogan, J. A. 2479
 Bögel, K. 1507
 Boghdadi, A. M. 2124
 Boike, A. H., Jr. 1345-1346
 Boisvert, J. L. 2678
 Boixart, J. M. R. 2744
 Bokel, M. 3333
 Boland, L. M. 1807, 2191
 Bolaños, J. 2384
 Bolaños, R. 964
 Bolin, R. A. 560
 Boman, H. G. 1410
 Boman, I. A. 1410
 Bond, A. E. 2854, 3321
 Bondareva, N. I. 36, 624
 Bone, L. W. 2254
 Boner, A. L. 1859
 Bonjour, G. 2005
 Bonnefoy, S. 81
 Boobar, L. R. 138, 391, 2603
 Boorman, J. P. T. 448
 Booth, D. R. 48
 Booth, W. 372
 Borčić, B. 1109
 Bordes, E. S. 2552
 Bordin, E. L. 1851
 Boreiko, T. A. 716
 Bories, C. 42
 Borisova, V. I. 193
 Bork, K. 889
 Borkent, A. 1754
 Bormatova, M. E. 1520
 Boromisa, R. D. 2033, 2587
 Borovsky, D. 2347, 2567,
 2633, 3020
 Borowitz, S. M. 2289
 Borthwick, P. W. 2852
 Bos, R. 3
 Böse, R. 2388
 Boshell S., J. 2370
 Bossinger, P. 307
 Bostock, H. 822
 Botsford, L. W. 1367
 Bottjer, K. P. 2254
 Boudin, C. 2971
 Boudreault, H. B. 3347
 Bougis, P. E. 1494
 Boulard, C. 1725, 2109, 3007
 Bouligand, Y. 2305
 Bounias, M. 416, 442

- Bourdeau, P. 2180, 2476
 Bourée, P. 982
 Bourguin, C. 3269
 Bourne, A. S. 1229
 Bourquin, A. W. 1287
 Bousquet, J. 1868, 2157
 Boutarbonnes, P. 2261
 Bové, J. M. 683, 846-847,
 852-853, 2258
 Böwadt, H. 507
 Bowden, J. 218
 Bowditch, R. D. 3267
 Bowler, K. 1547
 Bowman, C. E. 1012
 Brown, D. N. 1633, 1638
 Boxler, D. J. 1146, 1173, 3075
 Boyd, I. L. 3304
 Boyd, L. S. 2730
 Boyle, J. A. 2708
 Braack, L. E. O. 1299
 Bradshaw, W. E. 2049
 Brady, J. 1118
 Braesch, S. Fuzeau- 551
 Braga, R. R. 451, 2368
 Braimah, S. A. 1112
 Brandl, F. E. 1379, 2301
 Brasil, D. P. 30
 Brasileiro, V. L. F. 885
 Brassington, R. J. 2231
 Bravo, J. 1913
 Bravo, J. R. 369-370
 Bray, R. S. 2364
 Brazil, Instituto Evandro Chagas 1979
 Brazil, O. V. 821
 Brazil, R. P. 2012
 Breed, M. D. 1562
 Breer, H. 221
 Brégégère, F. 295
 Breitschwerdt, E. B. 2836,
 3244
 Brenner, R. J. 6, 1059, 1314,
 1571
 Brenner, R. R. 602, 2533
 Brenner, S. 2934
 Bresciani, J. 3272
 Bressee, R. R. 1283
 Brethour, J. R. 1153
 Briceño-Leon, R. 2530
 Bridi, A. A. 3167
 Briggs, A. R. Mead- 363
 Briggs, J. D. 244
 Brindle, P. A. 2897
 Broadmeadow, M. 1409
 Broadwell, A. H. 687, 1526,
 3267
 Broce, A. B. 118, 321, 479,
 2119
 Brodie, S. J. 1966
 Brogdon, W. G. 2353
 Brohi, A. R. 1739
 Bromel, M. 1149
 Bronswijk, J. E. M. H. van
 805, 1009, 1013
 Brook, G. A. 822
 Brooks, G. T. 1529
 Brooks, W. M. 750
 Brophy, J. J. 1175
 Brossard, M. 3159
 Brostoff, J. 801
 Broughton, H. B. 3332
 Broussard, B. B. 2590
 Brousseau, R. 1037
 Brower, D. O. 592
 Brown, A. M. 834, 3225
 Brown, C. A. 1883
 Brown, D. R. 2882
 Brown, D. T. 637, 2634
 Brown, G. E. 2511
 Brown, H. E. 286
 Brown, M. 3022
 Brown, M. A. 2595
 Brown, M. J. 337
 Brown, M. R. 1891
 Brown, S. A. 1883
 Brown, S. J. 762, 1470-1471,
 1818
 Brown, T. M. 2850
 Brown, W. A. 1447
 Brownbridge, M. 248, 894
 Browne, L. B. 475, 2738
 Browne, L. Barton 1741
 Bruce, W. A. 2812
 Bruce-Chwatt, L. J. 250
 Brücke, F. W. 1131
 Bruin, D. de 585
 Brummerstedt, E. 303
 Brummond, R. O. 1468
 Brun-Vezinet, F. 1712
 Bruycker, M. de 1138
 Bryan, J. H. 48, 413, 2635-
 2636
 Bryant, E. H. 3059-3061
 Bryce, J. R. 5
 Bryushinina, G. T. 2685
 Bu, B. C. 2225
 Buatois, A. 8
 Buechler, P. R. 2799
 Buhr, C. A. 377
 Buisson, J. de 2005
 Buján, E. C. de 1949-1950
 Bujas, M. A. 1589, 1591
 Bull, C. M. 3152
 Bull, D. L. 1403
 Bulla, L. A., Jr. 855
 Bullard, B. 579, 579
 Bullock, D. J. 1157
 Bultmann, H. 2707
 Bulychev, V. P. 38
 Bunner, B. L. 391
 Bünsow, R. C. 583
 Burbach, B. 1737
 Burg, J. G. 333
 Burgdorfer, W. 526, 1841,
 2247, 2837
 Burger, J. F. 1731, 2991
 Burgess, E. C. 525, 1812
 Burke, B. A. 165
 Burke, M. C. Gawron- 1034
 Burke, T. J. 1559
 Burke, W. D. 1182
 Burke, W. F., Jr. 3271
 Burkot, T. R. 2547
 Burnett, J. W. 1790, 3137
 Burns, D. A. 15, 203, 1072,
 2933
 Burrage, T. 2367
 Busaidy, S. Al- 1027
 Buscher, G. 1824
 Buschman, L. L. 3109
 Busenberg, S. 2834
 Bush, K. R. 3251
 Bush, T. J. 557
 Bussières, J. 2205
 Buster, D. 1039
 Butcher, A. 1869
 Butcher, B. T. 1187
 Butler, A. R. 1584
 Butler, J. F. 790, 989, 1355,
 1689
 Butler, L. 1174
 Butterton, J. R. 510
 Butyrina, É. S. 589
 Buxton, P. K. 844
 Byford, R. L. 115, 118, 166,
 1398
 Byron, D. 2845
 Caballero S. A. 228
 Cabañas, G. del Angel 1633,
 1638
 Caciolli, S. 1110
 Caeiro, V. 325
 Cahalan, M. D. 3222
 Cai, L. Y. 615
 Caillard, T. 1682
 Caillot, D. 1820
 Cairncross, K. D. 2712
 Calderon, G. 2594
 Caldwell, S. T. 3299
 Calisher, C. H. 557, 1505,
 2248
 Callahan, J. L. 1348, 2558
 Calicott, A. M. A. 2930, 3192
 Calow, P. 3342
 Calvayrac, P. 1868
 Camann, D. E. 2854
 Camazine, S. 3101
 Cambi, J. M. 877
 Camicas, J. L. 781
 Camino, N. 2253
 Camp, R. D. R. 3184
 Campbell, B. J. 824
 Campbell, C. C. 1665, 2336
 Campbell, D. 831
 Campbell, G. H. 1091
 Campbell, I. D. 1186
 Campbell, J. B. 121, 146, 498,
 714, 948, 1146, 1173, 3075
 Campbell, J. D. 791
 Campbell, K. 2813
 Campos, E. G. 2536
 Campos, J. A. 819
 Campos, R. 15
 Campos, S. 2162
 Campos Pereira, M. de 521
 Camps, F. 1577, 2316
 Canada, Agriculture Canada,
 Research Branch 578
 Candido, A. O. 3030
 Canfield, M. A. 918
 Cankova, R. N. 1390
 Cannon, T. L. 2035
 Cantera, R. 2401, 3045
 Canto Alarcon, G. J. 2770
 Cao, Y. C. 658
 Capaldo, P. S. 2868
 Capinera, J. L. 3270
 Cappa, S. M. G. 2520
 Capriles, J. Maldonado- 3202
 Capurro, M. de L. 2398
 Carabias Martinez, R. 3293
 Carbone, E. 1023
 Cardale, J. C. 2882
 Cardoen, J. 3066
 Carey, D. 1801
 Carias, V. R. D. 2320
 Carle, P. 847, 853, 2258
 Carle, P. R. 1610, 2814
 Carlin, N. F. 2161
 Carlotti, D. N. 1603
 Carlson, D. A. 1119, 2998
 Carlsson-Nordlander, B. 2190
 Carlton, B. C. 1034, 1521,
 2259
 Carlton, C. E. 3125
 Carmichael, G. T. 1625
 Carmichael, I. H. 2206, 2423
 Carmona, M. J. 1170
 Carnevale, P. 2971
 Carpaneto, G. M. 1775
 Carpenter, J. L. 342
 Carpenter, J. W. 2593
 Carranza, G. A. 517
 Carrasquilla C. F. de 2370
 Carrat, C. 2195
 Carreira, J. 351
 Carretero, M. T. 1170
 Carricaburu, P. 1490
 Carrriere, B. 1723
 Carrigan, M. J. 3325
 Carroll, J. F. 1330, 3143
 Carroll, M. K. 2552
 Carroll, P. J. 3084
 Carson, K. A. 1829, 2191
 Carson, R. 3345
 Carswell, F. 1476
 Carter, R. 241, 2974
 Carvalho, C. J. B. de 2705
 Carvalho, M. B. 1333
 Carvalho, M. G. C. 2072
 Carver, J. A. 1186
 Casagrande, M. V. 490
 Casas, J. 1060, 1577, 2316
 Cascieri, M. A. 3224
 Case, S. T. 751
 Casey, J. 1840
 Casey, T. M. 2891
 Casida, J. E. 2286
 Casper, H. 1318
 Castagnino, A. M. 605
 Castanaza, L. 2353
 Castellani, C. 1859
 Castelli, E. 2655
 Castillero, P. M. 1071
 Castillo, C. 184
 Castoldi, F. 409
 Castro, D. del C. 883
 Castro, J. J. de 1241, 1243,
 2172
 Castro, K. G. 557
 Castro, M. 2404
 Castro, M. M. T. de 923
 Catangu, M. A. 3033
 Cau, P. 1024
 Cavaillon, J. M. 3197
 Cavalieri, M. 2230
 Cavalloro, R. 1288
 Cave, M. D. 2152
 Caveney, S. 2489
 Cavigchia, J. C. 2939
 Cech, J. J., Jr. 1367, 2052
 Cederberg, H. 3051-3052
 Centinaio, S. 1719
 Çerçi, H. 3209
 Chabaud, A. 2449
 Chacón, J. C. 186, 2771
 Chadd, E. M. 2632
 Chadee, D. D. 41, 1102-1103,
 1948
 Chadli, A. 415
 Chadwick, P. R. 2844
 Chaika, S. Yu. 887
 Chakrabarti, J. 3312
 Chakravarty, A. K. 449, 932
 Chalabi, B. M. Al- 237, 1087
 Chalmers, G. A. 145
 Chamberlain, W. F. 612, 1156
 Chambers, D. M. 2920
 Chambers, J. 1062, 2315
 Chambille, I. 2002
 Chambon, P. 857
 Chambon, R. 857
 Chambonet, C. Rocher- 295
 Chan, M. K. C. 432, 2963
 Chand, R. 1279
 Chander, H. 963
 Chandra, H. 278
 Chandrasas, R. K. 2543
 Chang, F. N. 1519
 Chang, J. T. 590, 1392
 Chang, K. P. 2364
 Chang, M. S. 899
 Chang, V. 2764
 Chaniotis, B. H. 700
 Chapman, H. C. 2576
 Chapman, M. D. 334, 337,
 547, 2219, 2523-2524, 2805,
 3190
 Chappell, M. A. 734
 Charleston, W. A. G. 1989
 Charlwood, J. D. 392, 413,
 659, 1099, 1615, 1645
 Charnley, A. K. 1525, 2840
 Charpin, D. 3187
 Charpin, J. 3187
 Chastel, C. 665, 683
 Chastrette, M. 857
 Chatterjee, K. K. 675
 Chaturvedi, U. C. 3239
 Chaudonneret, J. 2488
 Chauhan, A. K. 378
 Chauhan, H. V. S. 813
 Chauhan, P. P. S. 997
 Chauhan, R. S. 3214
 Chauvancy, G. 781
 Chauvin, A. 3007
 Chavane, P. 1820
 Chaves, L. E. L. 490
 Cheban, D. S. 1196
 Cheer, A. Y. L. 1051
 Cheetham, T. 2538
 Cheetham, T. B. 890
 Chefurka, W. 2862
 Chekalina, L. I. 621
 Cheke, R. A. 264, 1117, 1144,
 2374
 Chemical and Pharmaceutical
 Press, USA 2880
 Chemoul, F. 2824
 Chen, C. C. 2542, 2980
 Chen, C. P. 580, 958, 1150
 Chen, C. S. 444
 Chen, F. Z. 435, 1623
 Chen, G. D. 23
 Chen, G. S. 1453
 Chen, K. Y. 2947
 Chen, L. 3273
 Chen, N. Y. 3178
 Chen, R. C. 850
 Chen, S. F. 3273, 3275
 Chen, T. A. 682, 852
 Chen, T. M. W. 2941
 Chen, Y. X. 682
 Chen, Z. F. 2346

- Cheng, J. H. Chiao- 1283
 Cheng, Y. L. 1338
 Cheong, W. H. 2972
 Chermann, J. C. 433, 3073
 Cherniack, M. G. 1285
 Chernin, E. 243
 Chernysheva, E. A. 2792
 Chestukhina, G. G. 1520
 Cheung, P. Y. K. 1039, 1516
 Chevrier, S. 3169
 Chhabra, M. B. 2416
 Chiang, G. L. 2972
 Chiang, R. G. 603, 2528
 Chiao-Cheng, J. H. 1283
 Chiappa T., E. 2414
 Chiba, Y. 2307
 Chicchi, G. G. 3224
 Chiera, J. W. 1225
 Chigusa, Y. 2031
 Chilton, N. B. 2193, 3152
 Chimtawti, M. 2188, 2765
 Chin, K. F. 432, 2963
 Chinzei, Y. 529
 Chiomba, R. A. 1210
 Chippaux, J. P. 80
 Chirambo, M. C. 1264
 Chizuka, H. G. B. 515, 1212, 1239, 2789
 Chou, I. 2929
 Choudhury, A. 2650
 Chowanadisai, L. 677
 Christensen, B. 292
 Christensen, B. L. 3234
 Christensen, B. M. 242, 408, 1608, 1620
 Christensen, H. A. 1595, 1650
 Christian, C. 827
 Christian, C. D. 823, 830
 Christmas, T. I. 1791
 Christóforo, M. T. 2775
 Chu, F. I. 2983
 Chu, I. 3317
 Chuia, K. Y. 546
 Chuia, R. 432
 Chukwu, C. E. 3104
 Chung, J. Y. 1724
 Chungiatupornchai, W. 1270
 Chunikhin, S. P. 175, 759
 Church, G. E. 1675
 Chwatt, L. J. Bruce- 250
 Cicchino, A. C. 883
 Ciccone, W. J. 1562
 Cid, M. González 1282
 Cima, L. 1401
 Ciufolini, M. G. 1110
 Claassens, R. 2237
 Clanton, D. C. 121
 Clark, A. G. 3018
 Clark, C. 1982
 Clark, C. C. 1983
 Clark, D. P. 1736, 3250
 Clark, E. 847, 853
 Clark, G. C. 1629
 Clark, G. G. 1093, 1621
 Clark, J. R. 2852
 Clark, T. B. 846-847, 2141, 2269
 Clarke, J. L., III 233, 1654
 Clarke, J. L., Jr. 2630
 Clarke, P. S. 1178
 Castaer, J. 1373
 Clawson-Simons, J. 510
 Claypool, P. L. 2178
 Cleaver, J. E. 2646
 Clegg, D. J. 3317
 Clements, B. W., Jr. 1352
 Clements, J. 3050
 Clemmons, L. G. Treat- 2900
 Clerck, D. de 743
 Cleveland, A. G. 2212
 Clifford, C. M. 3156
 Clifton-Hadley, F. A. 284
 Coan, M. E. 312, 2425
 Cobb, R. M. 2204
 Cobb, W. B. 560
 Coch, F. 573
 Cochran, D. G. 11, 2917
 Cochrane, A. H. 1333, 2963
 Cock, K. M. de 926
 Coelen, R. J. 2831
 Coetzee, J. H. 3203
 Coetzee, M. 1050, 1630
 Cogen, M. S. 110
 Cogswell, J. J. 1250
 Coher, E. I. 1393
 Coillie, C. van 3066
 Coimbra, T. L. M. 559
 Colbo, M. H. 708
 Colborne, J. C. 1195
 Cole, G. 355
 Cole, R. 2198
 Coleman, R. E. 132, 3039
 Coler, R. R. 2927
 Coletti, M. 2809
 Colflesh, D. E. 853
 Colin, D. 3317
 Colli, C. Wisnivesky- 1589, 1591
 Collins, A. M. 1447
 Collins, B. R. 1560
 Collins, F. H. 429, 1091, 2336
 Collins, R. C. 1705
 Collins, W. E. 1091, 1665, 2029, 2336
 Collison, C. H. 2808
 Colloc, M. L. Abalain- 683
 Colloff, M. J. 1010, 1014
 Coluzzi, M. 1110
 Colvin, B. M. 570
 Colwell, A. E. 2622
 Colwell, D. D. 470
 Combs, L. M. 3059-3060
 Comer, C. M. 2509
 Comin, A. F. 3306
 Commission of the European Communities 1288
 Condrey, L. D. 637, 2634
 Cone, R. I. 820
 Conesa Gallego, E. 2372
 Congdon, B. 428
 Connat, J. L. 2427, 3136
 Conrat, H. Fraenkel- 3350
 Conroy, D. A. 1500
 Conroy, G. 1500
 Cónsolí, R. A. G. B. 923
 Constantinescu, E. 2326
 Cook, B. J. 224, 2505-2506, 2922
 Cook, D. 985
 Cook, J. B. 2923
 Cook, N. S. 3227
 Cooke, K. L. 2834
 Cooksey, L. M. 715, 2183, 3147
 Cooley, T. M. 2202
 Coon, H. G. 251
 Cooney, K. 1568
 Coons, L. B. 1464
 Cooper, B. S. 1927
 Cooper, J. F. 945, 1706
 Cooper, R. D. 2609
 Cooper, R. M. 1525
 Cooper, S. J. 2780
 Cooter, R. J. 2754
 Cope, S. E. 661
 Copeland, R. S. 2549, 2605, 2627
 Copland, R. S. 2392
 Copper, N. A. 2204
 Corah, L. 1153
 Corbet, P. S. 45
 Cornel, A. J. 528, 2038
 Cornelius, S. G. 1152
 Cornell, H. V. 2411
 Corner, L. C. 843
 Cornet, J. P. 781
 Cornet, M. 692
 Corredor A., A. 2370
 Cory, J. 1003
 Cosmao Dumanoir, V. 1931
 Costa, A. J. 315-316, 2773-2774
 Costa, J. M. 17, 19
 Costa, J. M. L. 213
 Cotty, A. 1450
 Couatarmanac'h, A. 1819, 3169
 Couche, G. A. 566, 3265
 Couderc, J. L. 1416
 Coulanges, P. 2970
 Countote, G. H. M. 1729
 Couraud, F. 1024
 Courret, D. 1382
 Courtney, S. P. 1294
 Coutinho, V. 2443
 Cowan, L. A. 2813
 Cowell, B. C. 414
 Cowper, L. T. 2828
 Coz, J. 669, 1610
 Cozma, V. 1848
 Crabbs, C. L. 1621, 1629
 Craeáa, E. 1507
 Craig, D. A. 1377, 1652
 Craig, G. B. 2627
 Craig, G. B., Jr. 1094, 1619
 Craig, R. 1255
 Cramer, L. G. 3167
 Crampton, J. M. 255, 901, 2498
 Crans, W. J. 1912
 Cranston, P. S. 966, 1166, 2876, 3014
 Craven, D. E. 2227
 Craven, R. B. 926
 Crawford, I. T. 375
 Credland, P. F. 3014
 Creus, A. 500, 953, 3054
 Crickx, B. 3139
 Cripe, C. R. 1287
 Crnjar, R. 960, 2140, 3064
 Crochen, F. C. 2918
 Crocker, G. 2144
 Crofton, K. M. 2858
 Cromroy, H. L. 814
 Crosby, T. K. 3348
 Crosland, M. W. J. 1781
 Cross, N. C. P. 943, 2103, 2686
 Crosskey, R. W. 2091
 Crow, J. 807
 Crowe, M. W. 2696
 Crowley, P. H. 584
 Croze, J. P. 8
 Cruz, M. C. Soler 597
 Cruz, M. D. Soler 13, 596-597
 Cruz, S. M. D. 2113
 Crüz-Hofling, M. A. 822
 Crystal, M. M. 1880
 Cuba, C. C. 89, 1679
 Cuevas, A. Muñoz- 1490
 Cuevas, E. Martinez 502
 Cuhat, J. 306, 754, 1172
 Cullen, J. 2836
 Cullen, L. K. 2478
 Cullen, S. J. 1160
 Culp, J. S. 2781
 Cummings, R. F. 2028, 2342
 Cummins, K. W. 3316
 Cunha-Melo, J. R. 2232
 Cunningham, I. 2967
 Cunningham, P. A. 866
 Cupp, E. W. 707, 1635, 1693-1694
 Curia, E. 1635
 Curfs, J. H. A. J. 3183
 Currie, B. 1840
 Curtis, C. F. 1651, 2076
 Curtis, J. 3038
 Curtis, R. 330
 Curtis, S. K. 2403
 Custis, P. H. 946
 Cyr, T. L. 480
 Cyrus, I. 1534
 Czapla, T. H. 2507
 Da Rocha, J. M. 187
 Da Rocha, M. B. 1460
 Da Rosa, A. P. A. Travassos 74, 213, 559
 Da Rosa, J. F. S. Travassos 213
 Da Silva, A. R. 2012
 Da Silva, J. E. 87, 94
 Da Silva, T. F. 75
 Da Silva Nassar, E. 559
 Da Silveira, J. N. 923
 Dadd, R. H. 2954
 Daffner, J. F. 1650
 D'Agnesse, J. J. 2913
 Dagnogo, M. 2097
 Dagoro, H. 659
 Dahl, C. 2584, 2962
 Dahl, R. 1866
 Dahm, K. H. 2653
 Dai, S. Y. 1269
 Daigo, K. 2825
 Daireaux, P. 2824
 Dairak, M. F. 2379
 Dakkak, A. 1720, 2309
 Dale, P. E. R. 428
 Dale, S. 357, 359
 D'Alessandro, A. 2013
 Dallwitz, M. J. 1193, 1216, 1232, 1234, 3160
 D'Almeida, J. M. 2394
 D'Ambrosio, G. S. 341
 Dame, D. A. 1130, 1625
 Damme, J. C. van 379
 Dando, S. 3343
 Danell, K. 2216
 Danforth, B. N. 3133
 Dang, P. T. 264
 Daniel, B. A. 1369
 Danielowski, S. Bernotat- 2944
 Danilov, S. N. 322
 Danilov, V. N. 34, 618
 Dankocsik, C. C. 1034
 Danner, G. 1750
 Dantas Sobrinho, J. 30
 Darbon, H. 2815
 Darghouth, M. A. 2207
 Darji, N. 106, 265, 2095, 2688
 Darlington, M. V. 2966, 3327
 Darsie, R. F., Jr. 1650
 Darvas, B. 144
 Darwish, M. A. 562
 Darwish, Z. E. A. 767, 769, 3153
 Das, A. B. 3004
 Das, C. C. 72, 1639, 3025
 Daš, M. 2176
 Das, M. 2030
 Das, M. K. 72
 Das, N. 2856
 Das, P. K. 417-418, 912, 916-917
 Dastugue, B. 1416
 Davey, K. G. 603, 1075, 2323, 2380, 2528
 Davey, R. B. 1458, 1800, 2183, 3147, 3150
 David, B. 3197
 David, C. T. 1552
 David, J. R. 1351, 2368
 David, P. Timon- 1610
 David-West, K. B. 1137
 Davidson, E. W. 410, 851, 893, 1662, 2641
 Davidson, G. 1359
 Davidson, I. H. 2082-2083
 Davidson, M. 2835
 Davies, C. R. 1000, 2769
 Davies, D. M. 2992
 Davies, F. G. 2032
 Davies, V. T. 2883
 Davis, A. L. V. 3089
 Davis, E. E. 1663
 Davis, J. B. 1700, 1704
 Davis, J. P. 525
 Davis, N. T. 2510
 Davletlychev, A. A. 723
 Dawkins, C. C. 1468
 Dawson, C. R. 2454
 Dawson, K. P. 1177
 Dawson, P. 47
 Day, T. 2144
 Day, T. H. 1160
 De, N. 933
 De Agar, P. Martín 2502
 De Aguiar, G. M. 96
 De Alencar, M. M. 1845
 De Almeida, A. M. P. 30
 De Almeida, C. R. 30
 De Almeida, J. R. 19-20
 De Araújo, A. L. 1987
 De Arruda, M. 1333
 De Azambuja, P. 16-17
 De Barjac, H. 1931
 De Bianchi, A. G. 2398, 2722
 De Bruin, D. 585
 De Bruylants, M. 1138
 De Buisson, J. 2005
 De Buján, E. C. 1949-1950
 De Campos Pereira, M. 521
 De Carrasquilla, C. F. 2370

Author Index

- De Carvalho, C. J. B. 2705
 De Castro, J. J. 1241, 1243,
 2172
 De Castro, M. M. T. 923
 De Clerc, D. 743
 De Cock, K. M. 926
 De Deuxchaisnes, C. Nagant
 1914
 De Dianous, S. 1258, 1495,
 2814
 De Freitas, R. A. 1686, 2371
 De Haro Arteaga, I. 1588,
 1590
 De Jiménez, B. E. 2771
 De Kimpe, N. 2283
 De la Rosa, C. L. 2985
 De la Vega, R. 3170
 De León, D. 3145
 De Lima, M. F. 1261
 De Loof, A. 743, 3066
 De Marval, F. 2195
 De Meillon, B. 1050, 2080
 De Oliveira, C. M. B. 268
 De Oliveira, G. P. 1845
 De-Oliveira, R. Lourenço- 75
 De Queiroz, S. M. P. 2705
 De Raadt, P. 1136
 De Renobales, M. 2709
 De Rodriguez, C. 2370
 De Ruyter van Steveninck, R.
 3070
 De Saint Georges-Gridelet, D.
 1882, 2800
 De Silva, D. M. R. 2974
 De Silva, Y. N. Y. 241
 De Sole, G. 967
 De Vaio, E. S. 605
 De Valoir, T. 3044
 De Vasquez, A. M. 1595
 De Vos, A. J. 1451
 Dean, P. 2721
 Deane, L. M. 1263, 2363
 Deans, C. H. 1963
 Debelić, M. 353
 DeBoer, D. J. 1928
 Debro, L. A. H. 2841
 Decker, D. 3264
 Decleir, W. L. 1141
 Declercq, J. P. 2283
 Dedet, J. P. 80, 260, 2369
 Dedonder, R. 3262
 Dediut, Y. 1978
 Deeb, N. E. El- 2124
 Deem, S. L. D. 1466
 Dees, W. H. 1808
 Desesin, T. 688
 DeFolart, G. R. 664, 1653
 Del Angel Cabañas, G. 1633,
 1638
 Delcomyn, F. 400
 Delcour, J. 2260
 Delécluse, A. 3269
 Delgadillo Jaime, C. 2014
 Delgado, D. 816
 Dellacasa, G. 974
 Deloron, P. 2970
 DeLozier, J. B. 1898
 Delucchi, V. 2884
 DeMarini, D. M. 1959
 Dempster, J. P. 1984
 Dempster, S. J. 2618
 Den Abbeele, J. van 1384
 Den Otter, C. J. 2102
 Deng, A. X. 2133
 Deng, D. 436
 Denlinger, D. L. 580, 958,
 1150, 3128
 Denmark, Danish Pest Infestation Laboratory 3354
 Denmark, H. A. 814
 Deo, S. 2430
 Deobhankar, P. B. 2004
 Der Meer, J. M. van 1543
 Der Vloedt, A. van 1384
 Der Zee, J. S. van 1512
 Dergacheva, T. I. 698, 1680
 Desai, J. 3001
 DeShazo, R. D. 1187
 Deshmukh, P. B. 2300
 Deshmukh, P. K. 913
 Desjeux, P. 81, 90, 1682
 Desquesnes, M. 182-183
 Dethier, V. G. 2138
 Detry-Pouplard, M. 1887
 Deuxchaisnes, C. Nagant de
 1914
 Dev, V. 503
 Devaney, J. A. 3189
 Devaputra, M. 70
 Devau, B. 665
 Devi, T. M. 3309
 Deviliers, J. 857
 Dey, L. 3025
 Dezélée, S. 563, 1030
 Dhadiala, T. S. 2188, 3151
 D'Haeseleer, F. 1384
 Dhanda, V. 1539
 Dhiman, R. C. 2675
 Dhivert, H. 1868
 Diab, F. M. 778, 2186-2187
 Diallo, J. S. 1978
 Dianous, S. de 1258, 1495,
 2814
 Dias, E. S. 87, 94
 Dias, F. H. 490
 Dias, J. A. Travassos Santos
 1128
 Dias, J. C. P. 2531
 Diaz, G. 3170
 Diaz, J. D. 3096
 Diaz López, M. 597
 Dick, T. A. 1909
 Dickerman, A. W. 1635
 Dickerman, R. W. 1635
 Dichl, P. A. 2427, 3136
 Dietschi, R. 306, 754, 1172
 Dietz, J. M. 1874
 Díez, J. L. 1170
 Diffie, S. 3126
 DiGiocomo, R. F. 1966
 Digoutte, J. P. 3241
 Dijk, H. van 1513
 Dijkman, J. H. 1742
 Dikran, B. B. 1086, 2058
 Dillehay, D. L. 2381
 Dilworth, R. J. 546
 Dimarcq, J. L. 124, 1159
 Dinger, S. 2200
 Ding, R. D. 2062
 Diniz, C. R. 1261
 Diniz, L. S. M. 1460
 Diouf, A. 519
 Dirie, M. F. 1717
 Dirkse, A. 2221
 Dixon, D. G. 2485
 Dixon, J. M. 110
 Dixon, S. V. 2541
 Dixon, W. J. 1301
 Doane, W. W. 2900
 Doamnio, J. M. C. 670
 Dobbelaere, D. A. E. 1824
 Dobson, H. M. 945
 Dobson, R. J. 2147
 Dobson, S. E. 391
 Doby, J. M. 1819, 3169, 3233
 Doctor, J. 2303
 Dodd, G. D. 653
 Dodenko, E. M. 324
 Dodge, W. C. 2277
 Doha, S. 1683-1684
 Doherty, J. D. 3310
 Dohm, D. J. 1093
 Dolder, M. A. H. 1077
 Doman, M. 1699
 Dominguez, F. B. 3293
 Domrow, R. 3199
 Donahue, J. G. 777
 Donald, A. D. 2147
 Donaldson, R. J. 2010
 Dong, J. 454
 Donnelly, J. 782, 2784
 Donnelly, J. R. 2147
 Donovan, W. P. 1034
 Doran, J. J. 560
 Dorches, P. 2246
 Dormont, D. 3073
 Dorsett, W. A. 2791
 Dossou-Yovo, J. 634, 670
 Dotimas, E. M. 1765
 Dotson, E. M. 2427
 Doube, B. M. 281, 2719, 3011
 Dover, G. A. 2103, 2686
 Dowd, J. P. 2509
 Downe, A. E. R. 247, 601,
 2015
 Downer, R. G. H. 2317
 Downes, M. F. 1254
 Downing, H. 3116
 Downing, J. A. 1746
 Dowse, G. K. 3175
 Dragan, D. 51
 Drake, C. M. 2946
 Dreborg, S. 160, 505-506,
 1474, 2157
 Dreesen, T. D. 751
 Dremova, V. P. 589, 627
 Driel, J. W. van 2958
 Driesche, R. G. van 2927
 Dritz, D. A. 3260
 Driver, C. J. 3320
 Drobniewski, F. A. 1033, 2257
 Drudge, J. H. 1718, 2696
 Drummond, R. O. 521, 3148
 Druten, J. A. M. van 2968
 D'Souza, D. 3172
 Du Toit, A. J. 149
 Dube, C. 1496
 Dubé, D. 3294
 Dubin, D. T. 2965
 Dubina, V. R. 1907
 Dubinina, E. V. 798
 Dubitskii, A. M. 622
 Dubnau, D. 849
 Duchen, L. W. 822
 Ducombs, G. 1779
 Ducos de Lahitte, J. 2246
 Dudich, A. 29
 Dufour, D. L. 3102
 Dufresne, Y. 1915
 Duh, F. M. 1149
 Duhrkopf, R. E. 2559
 Dujardin, J. P. 81, 1682
 Dukes, J. C. 1344
 Dularay, B. 876
 Dullemans, A. M. 1932
 Dumanlı, N. 2177, 2420
 Dumanov, V. Cosmao 1931
 DuMouchel, W. H. 1544
 Dunbar, B. 1159
 Dunbar, R. W. 1114
 Duncan, I. M. 309
 Duncan, J. L. 1974
 Dunn, A. M. 1974
 Dunning, L. L. 1146
 Dunster, P. J. 3146
 Dupras, E. F., Jr. 2964
 Durack, D. T. 1917
 Duray, P. H. 523
 Durbin, J. E. 2352
 Durham, W. 3345
 Durica, D. S. 293
 D'Urso, D. 2230
 Duteurtre, J. P. 1716
 Dutt, D. 1279
 Duval, J. 670
 Düwel, D. 1973
 Düzgün, A. 3209
 Dvorin, D. J. 2153
 Dvukhshertsov, M. G. 759
 Dwivedi, S. K. 2430
 Dye, C. 452, 1659
 Dyer, Z. 600
 Eads, R. B. 2536
 Eagleson, J. S. 3325
 Earle, M. Fitz- 1544, 2548
 Early, M. 1548
 Early, S. L. 1259
 Earp, D. J. 1933
 Easton, E. R. 135, 3033
 Eaton, J. L. 3346
 Eckels, K. H. 1029
 Eckert, M. 2513
 Edelman, R. 525
 Edgecomb, R. S. 1364
 Edgerly, J. S. 892
 Edirisunge, J. P. 1992
 Edlinger, C. 1915
 Edlinger, E. 554, 1507
 Edman, J. D. 651
 Edmundson, R. S. 3344
 Edungbola, L. D. 3235
 Edwards, C. A. 2870
 Edwards, J. 2634
- Edwards, J. E. 1325
 Edwards, J. P. 1062, 2315
 Edwards, M. 825
 Edwards, P. B. 757
 Edwards, W. 2178
 Eechaut, W. 743
 Eeden, S. F. van 1274
 Egelhaaf, M. 1164, 3077-3079
 Egerter, D. E. 2337
 Egidius, E. 2855
 Egri, B. 107, 168, 471, 2383,
 2386
 Ehmann, A. 1521
 Eichner, M. L. 3301
 Eickbusch, D. G. 1182
 Eickbusch, T. H. 1182
 Eickstedt, V. R. D. von 2236
 Eidt, D. C. 2981
 Eilenberg, J. 3272
 Einarsson, R. 506
 Eisenbeiss, W. 1115
 El-Ahraf, A. 2110
 El-Amamy, M. 1042
 El-Ayeb, M. 2229, 3226
 El-Bakary, Z. 551
 El-Banby, M. A. 977-979
 El-Deeb, N. E. 2124
 El-Ela, R. G. A. 2024
 El-Gazzar, L. M. 1606
 El-Gozamy, B. M. R. 2024
 El-Hossary, M. A. A. 1005
 El-Hussein, A. 1669
 El-Kammah, K. M. 768
 El-Kordy, E. 1684
 El-Massry, M. 550
 El-Matarawy, O. M. 2124
 El-Mofty, M. M. 1442
 El-Nabawi, A. 864
 El-Okbi, L. M. A. 2025
 El-Oshar, M. A. 382
 El-Refaai, A. H. 269, 2245
 El-Rehimy, H. H. 2124
 El-Said, A. 1797
 El-Said, S. 254, 562, 655,
 1627, 1683-1685, 2989
 El-Said, S. M. 2055
 El-Sawaf, B. 703
 El-Sawaf, B. M. 1683-1685,
 2570, 2989
 El-Seify, M. A. O. 1007
 El-Shoura, S. M. 994, 1462-
 1463, 1827-1828, 1833,
 2182, 2189, 2779, 3144,
 3154
 El-Tunsy, M. 769
 Ela, R. G. A. El- 2024
 Elad, D. 3085
 Elayeb, M. 2815
 Elbert, A. 594
 Eldridge, B. F. 1361, 1619
 Elekes, K. 2160
 Eley, S. M. 1204
 Elezz, Z. Abo- 3322
 Elias, M. S. 2127
 Elissa, N. 1610
 Elissalde, M. 2720
 Elkins, D. B. 452, 2908
 Elkinton, J. S. 2927
 Ellar, D. J. 856, 1033, 1268,
 1518, 1524, 1933, 2257,
 2838-2839, 3255
 Ellersiek, M. R. 2484
 Elliott, C. T. 1795
 Elliott, J. M. 2877
 Elliott, M. 724
 Ellis, D. S. 1383
 Ellis, E. A. 2148
 Ellrott, D. 1104
 Elmamoune, M. 2309
 Elmi, A. H. 2281
 Elsalam, M. A. Abd- 2822
 Emala, M. A. 2022
 Emelyanova, O. Yu. 1247
 Emerson, J. K. 560
 Emerson, K. C. 14, 1580-1583,
 2931
 Ende, J. E. van den 2348
 Enderlein, G. 2735
 Enderlin, F. E. 820
 Endo, Y. 3291

- Endris, R. G. 786, 1688, 1817,
1825, 2669
Eng, K. L. 2972
Engel, T. 3094, 3252
Engelmann, W. 880, 968,
1318, 1320, 1322, 1419
Engervall, K. 2190
Enk, C. 1475
Ennis, W. H. 562
Enright, M. R. 284
Enriquez, J. 926
Enriquez, J. J. 346
Eouzan, J. P. 266, 2097
Epplin, F. M. 166
Epsky, N. D. 3270
Erbil, C. 2402
Erdmann, G. R. 733
Erices, J. 1750
Erickson, B. W. 1893
Ericsson, C. D. 2014
Eritja, R. 2820
Ernst, C. M. 732
Ernst, K. D. 1999
Ervin, R. T. 166
Erzinçlioğlu, Y. Z. 474, 957,
1417
Escoubas, P. 3117
Espadaler-Gelabert, X. 2744
Espinoza-Fuentes, F. P. 289,
297, 1759, 2395
Essen, F. van 1347
Esterre, P. 260, 2369
Estrada-Peña, A. 516
Eto, M. 1941
European Inland Fisheries
Advisory Commission 1960
Euzeby, J. 3253
Euzéby, J. P. 3242
Evans, A. V. 2168
Evans, C. C. 2444
Evans, D. G. 2586
Evans, F. D. S. 1350-1351
Evans, H. C. 3228
Evans, H. T. 1350-1351
Evans, L. D. 1732
Evans, P. D. 2127
Evans, R., III 2458
Evenhuis, N. L. 1626
Everts, J. W. 1124
Evtodienko, V. G. 1196
Ewing, S. A. 2178
Exon, J. H. 3298
Eymann, M. 1695
Fabiyi, A. 926, 1265
Fabiyi, J. P. 401
Fabritius, K. 1161
Faccini, J. L. H. 2443
Fadok, V. A. 1108
Fadzil, M. 152
Fahim, B. 550
Fahmy, M. M. 339, 1888
Fahrer, H. 1916
Faid, A. 550
Fain, A. 809, 1876, 3180-3183
Fairchild, W. L. 2981
Faizi, S. 1272
Falcão, A. L. 87, 94
Falco, R. C. 1004
Falcon, R. 2594
Fales, H. M. 3117
Fallon, A. M. 1360, 2057,
2352
Fan, Y. L. 850
Fan, Z. D. 2133
Fang, G. L. 730
Fang, J. M. 2133
Fanning, I. D. 2034
FAQI, A. S. 376
Farah, M. A. 1717
Farah, M. H. 2281
Farahat, A. A. 608
Faraj, F. 3187
Faran, M. E. 2035, 2546
Faravelli, G. 409
Fargues, J. 496
Farhang Azad, A. 2022
Farkas, R. 482
Farmer, B. R. 2630
Farmer, K. J. 151
Farnham, A. W. 724
Farrag, I. H. 562
Fast, P. 1037
Fatland, C. L. 2998
Fattorusso, E. 2281
Fawzy, A. F. A. 2025
Fay, H. A. C. 2719
Fazairy, A. A. Al- 2045
Federici, B. A. 854, 939, 1032,
1517, 2560, 3259, 3263
Fedorova, M. V. 33
Fee, B. J. 1605
Feely, W. F. 2857
Fehrer, S. L. 1604
Feinsod, F. M. 562
Feliciangeli, M. D. 930, 1687
Felton, T. 944, 2690
Fender, S. Hoyer- 3029
Feng, C. Y. 435
Feng, Y. 3013
Fenlon, J. S. 2274
Fenner, F. 363, 2878
Fernandez, E. 432
Fernandez, J. 3095
Ferrando, M. D. 1957
Ferrari, O. 2773, 2775
Ferreira, A. W. 1333
Ferreira, C. 1759, 2131
Ferreira, I. B. 559
Ferreira, J. R. 2775
Ferreira, L. D. B. B. 2503
Ferreira Brasileiro, V. L. 885
Ferreira-Lima, L. C. 1937
Feyereisen, R. 245
Field, W. N. 2551
Fields, J. P. 3223
Figueroedo, J. M. 2772
Filan, S. J. 1872
Filipe, A. R. 2248
Filipi, P. A. 2736
Filipová, N. A. 172
Filledier, J. 461-462
Finch, M. F. 2620
Fincher, G. T. 155, 1762,
3105, 3122
Fingerle, V. 794
Finkel, M. F. 1918
Finnerty, V. 429
Finney, D. J. 3027
Fioretti, D. P. 466
Firda, K. E. 2214
Fish, W. R. 2999
Fishbein, D. B. 1002
Fisher, J. 1937
Fisher, T. W. 3083
Fisher, W. F. 3031
Fishman, B. E. 2288
Fison, T. 993
Fitting, C. 3197
Fitz-Earle, M. 1544, 2548
Flanders, R. V. 478
Flannery, V. L. 918
Fleissner, G. 1496, 2446
Fleming, S. D. 2377
Fleming, W. J. 2869
Fletcher, D. J. C. 299, 1180,
1448-1449
Fletcher, J. D. 1224
Fleuriet, A. 1414
Flohic, A. M. Simitzis-le 665
Floore, T. G. 1344-1346
Florido Navio, A. M. 13, 596-
597
Floyd, R. B. 1192, 1195, 1216,
1220, 1227, 1229, 1231
Flueck, W. T. 2861
Focks, D. A. 1625
Foil, C. 2332
Foil, C. S. 1675
Foil, C. S. O'Neill 1514
Foil, L. 2332
Foil, L. D. 1675
Fong, D. 2364
Fonnum, F. 1902
Fontaine, R. E. 3236
Fontán, A. 2324
Fontenille, D. 2970
Ford, A. 2217
Ford, A. W. 1252
Ford, M. G. 2881
Ford, R. P. K. 1177
Fore, E. 3306
Forrester, L. J. 824
Forster, J. 976
Fortin, C. 2851
Foster, A. 2455
Foster, G. G. 492, 969, 1406
Fothergill, J. E. 1159
Fouché, A. 2348
Fourie, L. J. 527, 1813, 2310
Fraenkel-Conrat, H. 3350
Fraiha, H. 91-92
Fraise, P. 3196
Franc, M. 712
Franca, M. E. 605
Francavilla, G. 539
Frances, S. P. 2609, 2628,
2957
Francois, J. 1978
Francy, D. B. 2951
Frank, B. Loos- 1486
Frank, J. H. 891, 1784
Fraser, M. J. 685
Frederickson, E. C. 1633, 1638
Freeman, J. V. 1147
Freeman, R. S. 2213
Freier, J. E. 427, 2036
Freire-Maia, L. 819, 2232
Freitas, R. A. de 1686, 2371
French, A. S. 1069, 1998
French, A. W. 352
French, D. D. 1675
French, F. E. 2930, 3192
French, T. W. 3193-3194
Frézil, J. L. 102, 463, 465,
1715-1716
Fried, C. S. 970
Friederich, U. 3055
Friedhoff, K. T. 3247
Friedli, H. 2751
Friedman, J. 1445
Friedman, S. 3021
Friedrich, P. D. 2202
Friend, W. G. 1695
Frimeth, J. P. 3238
Fristrom, D. 2303
Fristrom, J. W. 2303
Fritz, M. A. 2057
Frölich, A. 3053
Frolka, J. 538
Frolova, A. I. 589
Fromm, J. E. 949
Frommer, R. L. 2956
Fryauf, D. J. 1113, 2677
Fu, T. R. 2266
Fu, W. H. 1338
Fuchs, C. 2746
Fuchs, M. S. 2633
Fuchs, T. 1776
Fuentes, F. P. Espinoza- 289,
297, 1759, 2395
Fuhrman, J. A. 2026
Fuhrmann, S. 232
Fuhramann, S. 232
Fujioka, K. K. 239, 661
Fujita, T. 3310
Fukami, J. I. 291
Fukase, T. 1753, 2296
Fukumoto, S. 181
Fukuto, T. R. 3292
Funatsu, M. 2400
Fursov, V. N. 3086
Furtado, A. F. 16
Furukawa, R. 514
Furusho, K. 1489
Fuzеau-Braesch, S. 551
Fuzina, H. N. 537
Fyrberg, E. A. 579
Gaafar, S. M. 1246, 2936
Gad, A. M. 254, 655, 2055
Gadagkar, R. 1440
Gäde, G. 1068
Gaevskaya, A. V. 1905-1906
Gafurov, A. K. 630
Gage, K. L. 2247
Gaitan, M. O. 2370
Gale, K. R. 255, 901
Galeote, L. 466
Galey, J. B. 461-462
Galikeev, Kh. L. 797
Galjart, N. J. 1032
Galker, F. 1794, 2174
Gallagher, J. S. 1063, 1877
Gallaway, W. J. 2563
Gallego, E. Conesa 2372
Gallego, G. Gimenez- 3224
Gallo, C. 341
Galoux, M. 379
Galvão, R. 1100
Galvão, R. A. B. 209-210
Gambino, P. 1764, 1786
Gamble, L. M. 2918
Gamboa, G. J. 983, 2163
Game, A. Y. 504
Games, D. E. 1988
Gamperl, H. J. 3210
Gan, E. 1266
Gandour, R. F. 1602
Gandy, D. 2435
Gantier, J. C. 42
Ganushkina, L. A. 37, 619
Gao, C. K. 55
Gao, F. H. 294
Garcia, E. 17
Garcia, E. S. 16, 2016, 2940
Garcia, M. L. 3224
Garcia, R. 2622
Garcia Aldrete, A. N. 3092
Garcia-Fernandez, P. 3165
García Sánchez, M. R. 2359
García Yáñez, Y. 1588, 1590
Gardner, R. A. 3166
Garduno, F. 1523, 3264
Garfield, J. L. 3261
Garg, B. D. 2291
Garg, S. K. 2291
Gargan, T. P., II 1093, 2065
Garms, R. 264, 464, 1114,
1116-1117, 1144, 2374,
2993
Garris, G. I. 988, 1806
Gasiga, A. 2283
Gasith, A. 2649
Gasquet, M. 1610
Gassner, G. 1149
Gauci, M. 1452
Gaud, J. 3207
Gaud, S. Medina- 3202
Gawron-Burke, M. C. 1034
Gay, F. 1001
Gayer, K. D. 1790
Gayral, P. 42
Gazzar, L. M. El- 1606
Gbary, A. R. 1910
Geden, C. J. 750, 1785, 2902,
3034, 3110, 3124
Geering, G. 1825
Geerts, S. 1123
Geevarghese, G. 908, 1026,
1539
Geffard, M. 2160
Geiselmann, S. J. 2871
Geissler, W. 1870
Gelabert, X. E. 2744
Gelman, N. 2892
Geng, D. C. 440
Geng, R. G. 2066
Génier, F. 3114
Gentilini, M. 1001, 2335
Gentlesk, M. J. 300
Geoffroy, B. 80
Georgakopoulos-Gregoriades,
E. 1945
George, J. E. 1458, 2799,
2806, 3147
George, J. F. 1574
George, N. 914
George, S. 419, 908
Georges, A. 433
Georghiou, G. P. 287, 684,
1655, 1751, 2550, 2601
Georgi, J. R. 2537
Georgis, R. 280, 472
Georgitis, J. W. 2153, 3100
Gerber, H. 842
Geren, C. R. 825
Gerhardt, R. R. 132, 3039
Gerlis, L. 1927
Gern, L. 1793, 1916, 3159
Gerrish, R. R. 2794
Gersonde, K. 1407
Gerwen, A. C. M. van 475,
1741, 2738
Gettinby, G. 3172
Gewurz, A. 2155
Geysen, J. 3066

- Ghittino, P. 3340
 Ghose, S. 215
 Ghosh, J. J. 568
 Giangaspero, A. 468, 1721
 Gianutsos, G. 2288
 Gibbs, P. H. 2035, 2956
 Giblin, R. M. 50, 1612, 1929
 Gibson, G. 1552
 Gibson, J. D. 1242, 1466
 Gibson, S. V. 1954
 Giddens, W. E., Jr. 1966
 Giedinghagen, D. H. 1018
 Giga, D. P. 501
 Gilbert, M. P. 1034
 Gilbertson, C. B. 498
 Gilfoil, T. A. 1953
 Gilg, A. D. 3307
 Gill, H. S. 169, 3141
 Gill, S. S. 564, 854, 1038,
 2254
 Gillett, J. D. 2959
 Gillette, B. 2349
 Gillies, M. T. 1050
 Gilman, N. J. 560
 Gilmour, J. S. 2421
 Gilot, B. 665
 Gimenez-Gallego, G. 3224
 Gingrich, D. J. 3036
 Gingrich, J. B. 1855, 2574
 Gins, E. I. 3107
 Ginsberg, H. S. 660
 Ginsburg, C. M. 2290
 Ginting, N. 531
 Giordani, G. 153
 Giorgi, F. 1756, 2732
 Giralt, E. 2820
 Girard, J. C. 2201
 Giraud, G. 1416
 Giraud-Guille, M. M. 2304
 Giurca, I. 51
 Gladney, W. J. 1468
 Glaser, K. B. 3106
 Glass, M. H. 1211
 Gnatzky, W. 718-719, 1313,
 2129
 Gnidec, E. P. P. 2862
 Go, H. J. 1488
 Göbel, E. 992
 Goddard, J. 148, 1803
 Godin, J. G. J. 1986
 Godsey, M. S., Jr. 525
 Godwin, G. 2361
 Goel, S. C. 1981
 Goettel, M. S. 895, 2565-2566,
 2610
 Goff, F. 665
 Goff, M. L. 1245, 1412, 1548,
 1550, 1874, 2210-2212
 Goh, K. T. 365
 Gohneim, K. E. 2084
 Golden, D. B. K. 2154, 2461,
 2464
 Golder, T. K. 265, 1121
 Goldfarb, L. G. 772
 Goldsmid, J. M. 2435
 Goldstein, R. S. 877
 Gole, J. W. D. 2317
 Golenda, C. F. 2716
 Gomaa, S. A. 768
 Gomes, L. G. 2774
 Gomes, M. da L. C. 1632,
 1637
 Gomes, R. F. C. 511
 Gómez, D. 2771
 Gómez, I. 21
 Gomez, M. V. 2232
 Gonçalves, T. C. M. 17
 Gondo, A. 1015
 Gong, K. Y. 730-731, 3285
 Gonidec, G. le 781
 Gonzaga, H. M. S. 2232
 Gonzalez, J. J. 3095
 Gonzalez, J. M., Jr. 1521
 Gonzalez, L. 2421
 González, M. S. 2533
 González Cid, M. 1282
 Gonzalvo, A. 414
 Gooda, A. 2084
 Goodfriend, L. 845
 Gooding, R. H. 710, 1384
 Goodman, L. R. 2852
 Goodwin, J. T. 3072
 Gopal, K. 1644
 Gophen, M. 635, 635
 Gopinathan, C. 2637
 Gordeeva, Z. E. 38
 Gordon, D. J. 2754, 3022
 Gordon, D. M. 1767
 Gordon, J. R. 170
 Gordon, R. 374
 Gore, A. P. 1440
 Gorelova, N. B. 758
 Goren, M. 2649
 Gorgol, V. T. 194
 Gorissen, L. P. 1222, 1229
 Gormally, M. J. 739-740, 3080
 Gorodner, J. 558
 Gothe, A. Kraiss- 785, 1469
 Gothe, R. 197, 785, 992, 1469,
 2179
 Goto, T. 3291
 Götz, M. 1768
 Götz, P. 2735
 Goudey-Perriere, F. 1324
 Goulart, S. 2775
 Gouteux, J. P. 102-103, 266,
 463, 465, 1710, 1712, 1715-
 1716
 Gozamy, B. M. R. El- 2024
 Grace, B. W. 1696
 Grace, J. K. 1503
 Grace, K. J. 1443
 Gracheva, G. V. 36
 Gradoni, L. 258, 450, 2987
 Graf, U. 3055
 Graft, D. F. 301, 2463
 Graham, M. F. 1647
 Graham, M. J. 1955
 Gramiccia, M. 258, 450, 2987
 Grammer, L. C. 2155
 Granado, A. 2772
 Granier, C. 2229, 2815, 2820,
 3226
 Granum, P. E. 1268
 Grasso, A. 826, 2230
 Gratz, N. G. 35
 Graves, P. M. 1099, 1645,
 2076, 2547
 Gray, J. S. 2208
 Greathead, D. J. 3280
 Greco, J. A. 2318
 Green, B. M. 1000, 1801
 Green, C. A. 48, 2602
 Green, K. B. 2918
 Greenberg, B. 2715
 Greene, R. T. 2836, 3244
 Greenstone, M. H. 2272
 Greenwood, B. M. 1668
 Gregorjades, E. Georgakopoulos- 1945
 Gregson, R. P. 566
 Greig, D. 1791
 Greig, S. 2529
 Greiner, E. C. 79, 1108, 1355
 Greis, K. D. 375
 Grešíková, M. 1205
 Grether, J. K. 3303
 Gridelet, D. de Saint Georges- 1882, 2800
 Grigolo, A. 1401
 Grimaldi, G., Jr. 2363
 Grimás, U. 2584
 Grimstad, P. R. 2033, 2587
 Groat, R. G. 1034
 Grodowitz, M. J. 479, 2119
 Groenestijn, P. 632
 Gromashevskii, V. L. 173
 Groot, H. 1635
 Grootenhuis, J. G. 1980
 Gross, M. E. 1362
 Gross, S. J. 2423, 3167
 Grossbach, U. 3029
 Grossman, G. L. 1628
 Grosso, L. 2857
 Grove, J. S. 2541
 Grover, P. 2727
 Grow, A. G. 285
 Grucci, B. 605
 Gruffaz, R. 665
 Grunbaum, B. W. 1443
 Grünerert, U. 718-719, 2129
 Grzeda, M. 746
 Gu, H. X. 367
 Gu, Y. M. 3177
 Guaguere, E. 2180
 Guan, D. H. 436
 Guan, L. R. 86, 454
 Gubler, D. J. 1509, 2555,
 2600
 Gudmundsson, B. 1482
 Guenno, B. le 3241
 Guérin, B. 1868
 Gueron, M. 818-819
 Guerra, A. 2581
 Guerrini, V. H. 1409
 Gueye, A. 519
 Gueyouche, C. 42
 Guglick, M. A. 2314
 Guglielmone, A. A. 788
 Guiguemde, T. R. 1910
 Guille, M. M. Giraud- 2304
 Guillerón, C. 558
 Guillot, F. S. 343-344, 1404,
 2799, 2801, 2806, 3192
 Guinnepain, M. T. 3197
 Guitton, N. 209-210, 1558
 Guled, H. A. 376
 Gunárová, W. 486
 Gunasekaran, K. 426
 Gund, P. 1528
 Gunders, A. E. 2174
 Gundlach, J. L. 746
 Gupta, A. P. 1064-1065, 1579
 Gupta, D. K. 674
 Gupta, G. P. 3012
 Gupta, R. K. 2609
 Gupta, S. C. 3214
 Gupta, V. K. 2886
 Gupta, Y. 2667
 Gur Lavi, A. 22
 Guralnick, M. W. 2407
 Gurbacharya, V. L. 699
 Gürkan, M. 720
 Gurney, W. S. C. 584
 Gürtler, R. E. 1589, 1591
 Gushchin, B. V. 173
 Gushchina, E. A. 173
 Gutierrez, A. P. 2846
 Gutierrez, M. 2772
 Gutierrez-Martínez, A. 2526
 Gutierrez-Palomino, P. 513
 Gutierrez Quiroz, M. 1588,
 1590
 Gutman, H. 3308
 Guy, M. W. 452
 Guy, R. G. 1738
 Güzel, N. 720
 Güzelhan, C. 1116
 Guzman, D. R. 2562, 2598-
 2599
 Guzmán, H. S. 1023
 Guzmán, M. G. 369-370, 1913
 Gvozdeva, I. V. 589
 Gwadz, R. W. 251, 2336
 Györkös, H. 2992
 Haas, N. 208
 Habanananda, S. 1921
 Habermehl, G. 1290
 Habib, O. A. Al- 1660
 Habibulla, M. 1575
 Hackett, K. J. 846-847, 2141,
 2258
 Hadani, A. 22, 1794, 2174,
 3207
 Haddow, A. J. 663
 Hadley, N. F. 1185, 2748
 Haeger, J. S. 643, 648, 652
 Hafez, M. 1354
 Hafez, M. K. 1354
 Hafez, S. Abdel- 2085
 Hafidh, R. Al- 1840
 Hafner, M. S. 2008
 Hagan, D. V. 695, 2984, 2986
 Hagdrup, H. K. 545
 Hage-Hamsten, M. van 354,
 1473, 1481, 2445
 Hagedorn, H. H. 1080, 2959
 Hägele, K. 1415
 Hagenbuch, B. E. 1059, 1314
 Hagg, M. C. 2450
 Hagiwara, K. 2821
 Haida, M. 2218
 Haider, M. Z. 1524, 3255
 Haile, D. G. 1831
 Haines, R. D. 1555
 Hair, J. A. 166, 787, 2178
 Haitlinger, R. 3204
 Halarnkar, P. P. 2709
 Haldar, D. P. 215
 Haliday, A. H. 3038
 Hall, D. W. 1349, 2661
 Hall, H. T. B. 1975
 Hall, M. J. R. 1143
 Hall, R. 1566
 Hall, R. A. 2034
 Hall, R. D. 749, 1155, 1736,
 3023
 Hall, R. G. 1042
 Hallas, T. 1866
 Hallas, T. E. 1482
 Halle, A. 3300
 Halliday, W. R. 245
 Halliwell, R. E. 230, 1604
 Halliwell, R. E. W. 2330
 Hallmon, C. F. 1344
 Halpern, G. M. 300
 Halstead, J. A. 987, 1555
 Halstead, S. B. 370, 840
 Halvorsen, O. 2308
 Ham, P. J. 941, 1701, 1703,
 2376-2377
 Hamblin, C. 1027
 Hamdorf, K. 1737, 2128
 Hamed, M. S. 655
 Hamel, H. D. 309, 1835
 Hamid, R. 152
 Hamill, B. 2026
 Hamilton, J. G. C. 3157
 Hamilton, P. J. S. 1667
 Hamm, U. 2480
 Hammack, L. 473, 1149
 Hammock, B. D. 1039, 1516,
 2861
 Hammond, D. L. 2791
 Hamner, K. C. 583
 Hamouda, R. A. 982
 Hamsten, M. van Hage- 354,
 1473, 1481, 2445
 Han, G. X. 2354
 Han, H. R. 1724
 Han, S. Z. 880, 1320
 Hana, B. 1847
 Hanazato, T. 2294
 Handel, E. van 646, 2496
 Hanessian, S. 3294
 Hankeln, T. 1423, 3017
 Hanna, Z. 1037
 Hansen, K. 2829
 Hansen, O. C. 2807
 Hanski, I. 123, 157
 Haouchi, K. 982
 Happ, C. M. 2951
 Harbach, R. E. 2574
 Harbers, L. H. 479
 Hardie, R. C. 2127
 Hardouin, J. 1142
 Hardy, J. L. 63, 671
 Hare, S. G. F. 2616
 Haresnape, J. M. 3168
 Hargrove, J. W. 2100
 Haridass, E. T. 604
 Harkrider, J. R. 2990
 Harlapur, S. 1822
 Harmon, J. D. 10
 Harms, G. 2139
 Hare Arteaga, I. de 1588,
 1590
 Harp, G. L. 2241
 Harris, I. E. 3201
 Harris, J. A. 1726, 3303
 Harris, K. L. 1608
 Harris, K. M. 2887
 Harris, R. L. 1403, 1458, 3076
 Harrison, B. A. 928, 2541
 Harrison, D. 428
 Harrison, F. L. 3035
 Harrison, J. B. 2325
 Hartberg, W. K. 695
 Hartmann, N. 2003
 Hartmannová, B. 2797
 Hartwig, E. K. 149
 Harvey, M. S. 2883
 Harvey, P. H. 2350
 Harvey, R. G. 2434

- Harvey, T. L. 1153
 Harvey, T. S. 1186
 Hase, T. 1029
 Hasegawa, H. 1766
 Hashiguchi, M. Ohtake- 2516
 Hashim, N. H. 201
 Hashimoto, K. 2825
 Hashimoto, N. 1504
 Hasibeder, G. 1659
 Haslett, T. M. 786, 1817,
 1825
 Hassan, G. A. 3322
 Hassan, I. S. 1834
 Hassan, L. A. J. Al- 1631
 Hassan, M. M. 254
 Hassan, M. M. F. 1008
 Hassell, M. P. 1984, 3281
 Hastriter, M. W. 1878
 Hatakeyama, S. 1168
 Hatanaka, T. 158
 Hatch, C. 2945
 Hateren, J. H. van 1165, 2142
 Hatfield, P. R. 897
 Hati, A. K. 675, 681, 933
 Haugerud, R. E. 212
 Haupt, A. Heller- 535
 Hausler, W. J., Jr. 1654
 Hauswirth, J. W. 1854
 Havelka, P. 2982
 Hawkins, E. R. 2754
 Hawkins, J. A. 2798
 Hawley, M. K. 287
 Hawley, W. A. 2579
 Hayakawa, H. 736
 Hayashi, F. 3119
 Hayashi, H. 1939
 Hayatsu, H. 3057
 Hayden, M. L. 2805, 3190
 Hayes, D. K. 1808
 Hayes, E. B. 1002
 Hayes, J. 2589, 2594
 Hayes, S. F. 2837
 Hayles, L. 476
 Hays, S. J. 110
 Hazan, U. 433
 Hazard, E. I. 1647
 Hazarika, L. K. 1064, 1579
 Hazzaa, N. I. 2477
 He, G. M. 656
 He, H. 1453
 He, J. J. 440
 He, S. X. 1622
 He, W. Y. 2340
 Healey, C. 2027
 Heath, A. C. G. 112, 1302,
 2702
 Heath, R. R. 2762
 Hecker, H. 1106, 2996
 Hefford, M. A. 1037
 Hegazi, M. R. 977-979
 Heine, J. 1757
 Heinig, J. H. 3094, 3252
 Heinrichs, S. 2446
 Heinz, G. H. 3314
 Heinzw, B. 864
 Heisey, R. M. 2263
 Heitz, J. R. 2397, 2708
 Hejaoui, A. 1868
 Helal, A. F. 977-979
 Helal, H. 2987
 Helferich, W. G. 2861
 Helfrich, M. P. 1714
 Helgen, J. C. 3302
 Heller-Haupt, A. 535
 Helmy, N. 1797
 Hemingway, J. 246
 Henderickx, J. E. E. 2373
 Henderson, D. 320, 1852
 Henderson, J. M. 2580
 Henderson, P. L. 3236
 Hendricks, L. D. 2375, 2680,
 2765
 Hendrix, C. M. 2243, 2381
 Hendry, G. 2361
 Henegar, R. 2269
 Henegar, R. B. 846-847, 853,
 2141
 Hennessey, M. K. 3191
 Hennigan, B. 2895
 Henschler, D. 2287
 Herald, F. 1146
 Hered, R. W. 2239
 Heripret, D. 1603
 Herman, Y. 2518
 Hernandez Mendez, J. 3293
 Hernandez-Matheson, I. M.
 2014
 Hernandez Ortiz, R. 2770
 Hernandez-Rodriguez, S. 513
 Herráiz, C. Sahuquillo 2359-
 2360
 Herrera Rodriguez, D. 2770
 Herrero, M. V. 827, 830
 Hershey, A. E. 1297
 Hertel, W. 2512
 Hervouët, J. P. 1382
 Hesler, L. S. 2740-2741
 Hess, W. R. 786, 1817, 1825
 Hesse, R. Ricco- 1635
 Heuser, J. E. 745
 Heusslein, R. 1313
 Hewadikaram, K. A. 1641
 Hewitt, B. 1868
 Hewitt, G. C. 1262
 Hewitt, P. H. 2037
 Heyden, R. 75
 Heymann, P. W. 334, 337,
 547, 2804-2805, 3185
 Hicks, T. C. 317
 Hider, R. C. 1765
 Hiepe, T. 205, 487
 Higashijima, T. 3108
 Higuchi, S. 1846, 2171, 3162
 Hii, J. L. K. 432, 2963
 Hijzen, T. H. 2864
 Hilburn, L. R. 184
 Hill, B. D. 1046, 1286
 Hill, B. R. 2578
 Hill, W. 1203
 Hillerton, J. E. 125, 1726
 Hillion, E. 1725, 2109
 Hilsenhoff, W. L. 2903-2904
 Hilton, D. F. J. 2907
 Himeno, M. 1930
 Hinaidy, H. K. 338, 1886
 Hinck, L. W. 2241
 Hindersson, P. 2829
 Hink, W. F. 1425, 1605
 Hinkle, N. C. 131
 Hinks, C. F. 2928
 Hirano, M. 2122
 Hirata, Y. 2821
 Hiratani, M. 803
 Hiregoudar, L. S. 1822
 Hiriyan, J. 673, 680
 Hironaka, R. 3005
 Hirschmann, G. S. 2522
 Hirst, M. 2314
 Hirumi, H. 2999
 Hisham, A. Y. 22
 Hitchin, J. M. 2551
 Hnilička, B. 2165
 Ho, C. M. 62
 Hoarau, F. 1258
 Hobday, J. B. 1922
 Hobson, R. P. 2145
 Hoch, A. L. 1632, 1637, 1671
 Hochstein, J. R. 1964
 Hochstrate, P. 1737
 Hockmeyer, W. T. 2343
 Hodges, P. J. 3294
 Hoebeke, E. R. 1782
 Hoede, N. 889
 Hoellinger, H. 3290
 Hoff, G. L. 1018
 Hoffman, A. D. 865
 Hoffman, D. R. 161-162,
 1771-1773, 2467
 Hoffmann, D. 124, 1159
 Hoffmann, G. 205, 748, 812
 Hoffmann, J. 124
 Hoffmann, J. A. 1159
 Hofling, M. A. Crüz- 822
 Hofmeister, P. 3289
 Höfte, H. 1270
 Hogan, W. E. 1899, 1903,
 3232
 Höglund, G. 1737, 2128
 Höglund, S. 1481
 Hogsette, J. A. 117, 129
 Hokama, Y. 1830
 Holbrook, F. R. 1669, 3245
 Holck, A. 359
 Holck, A. R. 2592
 Holcombe, G. W. 865
 Holder, Y. 1879
 Holdway, D. A. 2485
 Holguín, A. F. 2013
 Holland, C. J. 1002
 Hölldobler, B. 2161
 Hollingworth, R. M. 3345
 Holloman, D. W. 2881
 Holloway, B. A. 1791
 Holm, E. 1439
 Holman, G. M. 2505-2506,
 2922-2923
 Holmberg, M. 2658
 Holmes, P. R. 448
 Holroyd, R. G. 3146
 Holscher, K. H. 790
 Holub, R. E. 2842
 Holzapfel, C. M. 2049
 Homsher, P. J. 1829
 Homsky, D. 2649
 Honda, G. 1930
 Hong, S. S. 2225
 Hongo, O. 2218
 Honomichi, K. 889
 Hoogstraal, H. 776, 789, 1047,
 1797, 1805, 1972
 Hooper, K. P. 827, 830
 Hoosier, G. L. van, Jr. 1966
 Hoover, J. P. 3206
 Hopkins, T. L. 2507
 Horak, I. G. 527, 870, 999,
 1813, 2310
 Hori, E. 1167
 Horio, M. 1624, 1658, 2548
 Horn, N. 2807
 Hörnfeldt, B. 2216
 Hornung, J. M. 564, 854
 Horseman, B. G. 2514
 Horton, D. L. 130
 Hoskins, J. D. 3254
 Hosoi, S. 336
 Hospedales, J. 1879
 Hossary, M. A. A. El- 1005
 Hotchkiss, P. G. 2057
 Hoti, S. L. 420-421, 906, 910
 Hotson, I. K. 1532
 Hou, H. Pan- 2823
 Houde, M. 295
 Hougaard, J. M. 214, 634, 670
 Houk, E. J. 63, 671
 Houk, V. S. 1959
 Houseman, J. G. 290, 2396
 Houston, A. 1982
 Houston, R. S. 1585
 Houwers, D. 1507
 Hovmark, A. 2190
 Howard, J. 274-275
 Howard, R. W. 1447
 Howarth, J. A. 1830
 Howcroft, T. K. 879, 1574
 Howden, M. E. H. 1891, 2237
 Howe, M. A. 1117
 Howell, M. J. 3339
 Howells, A. J. 143, 3065
 Howes, E. A. 396
 Howl, J. D. 2497
 Howlett, C. R. 318
 Howser, G. G. 3024
 Hoyer-Fender, S. 3029
 Hribar, L. J. 2662
 Hsu, J. P. 2854, 3321
 Hsu, T. R. 62
 HsuChen, C. C. 2965
 Hu, K. C. 2119
 Hu, M. R. 1269
 Hu, Y. X. 437
 Hu, Z. Z. 440
 Huang, F. S. 435
 Huang, G. M. 611
 Huang, H. F. 2339
 Huang, H. M. 55
 Huang, P. J. 2061
 Huang, P. Q. 639
 Huang, Q. 54
 Huang, S. Y. 1385, 2107
 Huang, T. Y. 1622
 Huang, Y. M. 663
 Huaux, J. P. 1914
 Hubbard, S. F. 2069
 Huda, K. M. Nurul 1640
 Hudde, H. 1399
 Hudiburg, S. A. 823, 827
 Hudiburg, S. A. M. 830
 Hudson, D. B. 121
 Hudson, J. E. 693, 1636, 2053,
 2691
 Hudson, P. Barker- 2643
 Huebner, E. 1074
 Hueli, L. E. 3165
 Hughes, A. L. 2960
 Hughes, P. M. 2493
 Hughes, S. E. 1493
 Huh, S. 227
 Hulse, C. S. 3314
 Hulsman, K. 428
 Humpesch, U. H. 2877
 Hung, S. H. Y. 682
 Hunt, R. H. 631, 1630
 Hunter, J. S., III 155, 3122
 Hunziker, T. 163, 842
 Huong, A. Y. 2029
 Hurley, J. M. 855
 Husain, K. 2292
 Husman, K. 348, 358
 Hussein, A. El- 1669
 Hussein, H. S. 2186-2187
 Hustert, R. 2160
 Husudo, H. 2167
 Hutcheson, H. J. 2184
 Huxham, K. A. 3011
 Huyton, P. M. 1119
 Hyane, B. 314
 Hyde, F. W. 561, 2766, 2837
 Ibagos, A. L. 1635
 Ibáñez-Bernal, S. 690
 Ibarra, J. E. 373, 854, 1517,
 2560, 3259, 3263
 Ibarra-Silva, A. M. 3324
 Iberahim, R. 954
 Ibrahim, E. A. 2092
 Ibrahim, K. E. 1850, 1871
 Ibrahim, M. H. 2084
 Ibrahim, M. S. 431
 Ibrahim, N. S. G. 1006
 Igbowe, E. C. 921, 2056
 Iguchi, K. 532
 Ihrke, P. J. 1928
 Ikemoto, Y. 3018
 Ikeshoji, T. 922
 Illegbodu, A. E. 3234
 Illegbodu, V. A. 3234
 Ilenchuk, T. T. 1075
 Ilkiw, J. E. 318-319
 Il'yashchenko, V. I. 1857
 Imada, J. 3291
 Imai, C. 667, 961
 Imanishi, T. 2483
 Inaba, D. J. 1046, 1286
 Inaba, T. 2400
 Inaba, Y. 447
 Inaoka, T. 1167
 Inase, J. L. 773
 Inayatullah, C. 3341
 Ingemann, L. 3252
 Ingram, G. A. 1678, 2997
 Inouchi, J. 158
 Inoue, H. 3056
 Inoue, I. 2203, 3119
 Inouye, S. 2802
 International Laboratory for
 Research on Animal Dis-
 eases 711
 Ippen, H. 1776
 Irungu, L. W. 2041
 Irvin, A. D. 1207, 1228, 2172,
 2196, 2768, 3172
 Isaacs, C. 2638
 Ishay, J. 3115
 Ishay, J. S. 1441, 1445, 2746
 Ishida, S. 3296
 Ishii, A. 1488
 Ishii, T. 666, 2572
 Ishikawa, E. A. Y. 451
 Ishikawa, Y. 2717
 Islam, A. 192
 Ismail, A. M. 977-979
 Ismail, I. E. 729
 Ismail, M. 2822
 Ismail, M. M. 1641

- Ismail, R. B. 2987
 Isogai, A. 1968
 Isola, E. L. D. 2520
 Itagaki, H. 1753, 2296, 3119
 Itaya, N. 2122
 Ito, I. 2782
 Ito, K. 722, 2218
 Ito, S. 803
 Ito, Y. 514, 1743, 1780, 3098
 Itoh, N. 3162
 Itoua, A. 692
 Ivancovich, J. C. 326-327
 Ivanishchuk, P. P. 128
 Iversen, M. 1866
 Iversson, L. B. 559
 Ivie, G. W. 3326
 Jabbar Khan, M. A. 951
 Jabbar Khan, R. 951
 Jackson, R. R. 837, 2231
 Jacob, P. G. 419, 1026
 Jacob, T. A. 2857
 Jacobs, J. 1111, 1378
 Jacobs, R. S. 3106
 Jacobs-Lorena, M. 1699
 Jacobson, D. W. 233
 Jacobson, L. D. 1152
 Jacqueminin, M. G. 1020
 Jadhav, G. D. 1961
 Jadin, J. B. 555
 Jaenson, T. G. T. 1101, 1461,
 2355, 2426
 Jaffe, H. 1808
 Jaffe, H. W. 557
 Jagannath, M. S. 998, 1198,
 1468, 2192
 Jain, J. 338
 Jain, D. C. 1758
 Jain, N. C. 2667
 Jain, T. C. 3074
 Jaiswal, D. K. 572
 Jakob, W. L. 1650, 2951
 James, W. E. 2167
 Jamet, P. 1779, 2369
 Jamil, K. 78, 424
 Jamnback, H. 2681
 Janes, N. F. 724
 Jang, D. H. 1724
 Jang, H. 2382
 Jarisch, R. 1768, 2157
 Jarvinen, A. W. 3305
 Javier, P. A. 2739
 Jayachandran, S. 422, 907,
 2071
 Jayakumar, E. 1958
 Jayaraman, K. 2271
 Jayaraman, K. S. 240
 Jeelal, V. 1184
 Jefferies, D. 1714, 2093
 Jeffery, J. 1642
 Jenni, L. 2093, 2996
 Jennings, D. M. 2358, 2666
 Jennings, D. T. 2819
 Jennings, F. W. 1974
 Jensen, K. M. Vagn- 2089
 Jespersen, J. B. 2089
 Jayaraj, R. 2357
 Jayaratnam, J. 2486
 Jha, G. J. 813
 Ji, S. H. 1096
 Jia, J. X. 440
 Jia, K. M. 54
 Jia, Z. J. 3286
 Jiang, B. Q. 440
 Jiang, C. S. 439, 657
 Jiang, W. K. 440
 Jiang, Z. J. 771
 Jiménez, B. E. de 2771
 Jiménez, J. 1588, 1590
 Jiménez, J. Pérez 13
 Jimenez Jimenez, J. I. 3293
 Jin, C. F. 85, 1374
 Jin, Z. Q. 1385, 2107
 Jirón, L. F. 964
 Jóhannsson, V. 940
 Johansson, E. 1473, 2445
 Johansson, S. G. O. 354, 1473,
 1481, 2445
 John, M. V. 2447
 Johnson, C. 1787
 Johnson, D. E. 2470, 3321
 Johnson, D. L. 1286
 Johnson, D. M. 724
 Johnson, G. D. 714, 2925
 Johnson, G. J. 1264
 Johnson, K. 2154
 Johnson, M. K. 384, 2863
 Johnson, R. C. 524, 561, 2766,
 2837
 Johnson, R. T. 253
 Johnson, W. E., Jr. 2573
 Johnstone, D. R. 945, 1706
 Jones, A. J. Mitchell- 3304
 Jones, B. R. 2454
 Jones, C. J. 129
 Jones, C. S. 1883
 Jones, J. Kendrick- 1255
 Jones, J. L. 825
 Jones, L. D. 1000, 2769
 Jones, M. D. R. 233
 Jones, P. G. H. 340
 Jones, R. 2643
 Jones, R. C. 1983
 Jones, S. R. 1778
 Jones, T. 1380
 Jones, T. H. 139, 3117
 Jongejean, F. 993
 Jónsson, E. 1546
 Joo, C. Y. 252
 Jordan, A. M. 710, 1120
 Jorgensen, O. G. 1242
 Jørgensen, R. J. 303
 Jørgensen, S. E. 3349
 Joseph, S. A. 109, 199, 1421,
 2006, 2387, 2417
 Joseph, S. R. 2593
 Joshi, D. D. 699
 Joshi, G. S. 1940
 Joslyn, A. 1774
 Jouan, A. 781, 3241
 Joubert, J. J. 528
 Joubert, J. R. 1274
Journal of Parasitology & Par-
asitic Diseases 407
 Jouvenaz, D. P. 298, 302,
 2148, 2760
 Jover, E. 1024
 Juarez, C. 3095
 Juarez Flores, J. 2770
 Jubal S., R. 2414
 Juboori, S. A. Al- 1660
 Juifls, H. B. 3229
 Jungery, M. 2948
 Jupp, P. G. 528, 2038, 2040,
 2065, 2345, 2553
 Jurberg, J. 17-19
 Jurberg, P. 20
 Jurnak, F. 1038
 Juse, A. 2128
 Jute, N. 899
 Jutsum, A. R. 3283
 Jyothi, K. N. 424
 Kaay, H. J. van der 2958
 Kaaya, G. P. 2095, 2688
 Kabaya, K. 3056
 Kabayo, J. P. 1140, 1709
 Kabore, I. 1127
 Kaboret, Y. 2105
 Kachani, M. 1720
 Kadder, M. A. 2570
 Kadoum, A. M. 1283
 Kagan, J. 2567
 Kagen, S. L. 2468
 Kagey-Sobotka, A. 301, 2154,
 2460, 3249
 Kahl, O. 1836
 Kaiser, M. N. 1222, 1229
 Kaiser, P. E. 2564, 2952
 Kalacyioglu, A. 2866
 Kale, O. O. 3235
 Kalinin, A. A. 758
 Kalter, D. C. 226
 Kalvelage, H. 785, 1469
 Kalyanaraman, K. 1369
 Kalyanasundaram, M. 418,
 912, 914, 916-917
 Kamau, C. C. 82
 Kamble, C. K. 178
 Kamdar, H. 2271
 Kamei, K. 722
 Kamei, M. 666
 Kamel, E. H. 113
 Kamel, M. Y. 1799
 Kamhawi, S. 2085
 Kamimura, K. 2647
 Kaminsky, R. 2967
 Kammah, K. M. El- 768
 Kamon, M. 1753
 Kampelmacher, M. J. 2469
 Kamunya, G. 2094
 Kan, S. 2963
 Kanamitsu, K. 1784
 Kanayama, A. 100, 705, 2090
 Kanchurin, A. Kh. 810, 1247
 Kanda, T. 2556
 Kane, A. 613
 Kang, S. C. 444
 Kang, Y. B. 202, 2382
 Kannan, R. 2758
 Kantoff, P. 251
 Kanwar, A. J. 2935
 Kapaastra, R. 2099
 Kapitonova, M. É. 804
 Kaplan, L. 2279
 Kaplanova, N. F. 211
 Karabatos, N. 1505, 2248
 Karaer, Z. 720, 2200, 3171
 Karakin, E. I. 2733
 Karch, S. 214
 Karim, S. S. A. 2348
 Kariya, Y. 514
 Karlík, C. C. 579
 Karnaan, P. 1275
 Karnaughov, V. V. 1811
 Karp, R. D. 879, 1574
 Karstad, L. 1980
 Karunamoorthy, G. 150, 1421-
 1422
 Kasama, E. 1411
 Kasap, M. 1677
 Kasei, M. 803
 Kashan, A. 1114
 Kashyap, V. 2727
 Kaslow, R. 525
 Katagiri, C. 397
 Katala, S. 2455
 Katende, J. 2094, 3172
 Kathuria, K. D. S. 2691
 Katić, P. 2938
 Kato, R. 3056
 Kato, S. 3296
 Katz, J. 1264
 Kaufman, S. 3115
 Kaufman, W. R. 1459, 1464,
 1838
 Kaushik, R. K. 68, 3214
 Kavaliers, M. 2314
 Kaveeshwar, U. 572
 Kawabata, M. 532
 Kawaguchi, N. 3047
 Kawai, N. 2821, 2823, 2825
 Kawai, S. 2298
 Kawamura, S. 3162
 Kawata, M. 3291
 Kay, A. B. 966
 Kay, B. H. 441, 902, 1508,
 2034, 2545, 2643
 Kazadi, L. 3002
 Keadtisuke, S. 383
 Keh, B. 1861
 Keilin, D. 1394
 Keilty, T. J. 1284
 Keirans, J. E. 1792, 1806,
 1837, 1972
 Kelada, N. L. 2045, 2050
 Keller, J. E. 2263
 Keller, L. 508
 Keller, R. 124
 Kelly, D. J. 1266
 Kelly, G. M. 1074
 Kelly, L. B. 3185
 Kelly, M. 2277
 Kelly, T. B. 453
 Kemeny, D. M. 2162, 3249
 Kemp, D. H. 177, 991
 Kenawy, M. 1627
 Kence, A. 2123
 Kendall, R. J. 3320
 Kendrick, M. Killick- 84, 453
 Kendrick, R. Killick- 84, 452-
 453, 935, 1375
 Kendrick-Jones, J. 1255
 Kennedy, M. J. 145
 Kenney, L. R. 1586
- Kennou, M. F. 415
 Keppi, E. 124, 1159
 Keragalla, I. 241
 Kerbabaev, È. B. 282, 1810
 Kerdraon, G. 665
 Kerkvliet, N. I. 3298
 Kerr, J. D. 1240, 1242
 Kershaw, W. E. 2027
 Kerwin, J. L. 3260
 Kessler, R. H. 511
 Kestler, P. 2892
 Key, G. 828
 Keymer, A. E. 2350
 Keyvan-Larijani, E. 1264
 Khachatourians, G. G. 1036,
 3277-3278
 Khaidarov, K. M. 766
 Khair, T. 207
 Khalifa, M. S. Al- 778, 2186-
 2187
 Khalifa, N. M. E. 872
 Khalil, G. M. 769, 774, 1797,
 3153
 Khalil, S. K. W. 733
 Khalil, Z. 1965
 Khamala, C. P. M. 2375
 Khambay, B. P. S. 2881
 Khamboonruang, C. 688
 Khan, L. A. 909
 Khan, M. A. J. 735, 951
 Khan, M. H. 536, 995
 Khan, R. J. 735, 951
 Khanam, S. 207
 Kharitonova, N. N. 1047
 Kheinman, V. A. 759
 Khillare, Y. K. 1951
 Khodova, O. M. 1520
 Khounlo, S. 2613
 Khoury, C. 871
 Khranova, L. A. 279
 Khvan, M. V. 3009
 Kiarie, J. 2768
 Kiatfungfoo, R. 678
 Kidson, C. 902
 Kierszenbaum, F. 2322
 Kiew, R. 1397
 Kihara, S. 811
 Kijchalao, U. 928
 Kijima, H. 2723
 Kiknadze, I. I. 2733
 Kikuchi, S. 806
 Kikuchi, Y. 741
 Kilani, M. 2207
 Killick-Kendrick, M. 84, 453
 Killick-Kendrick, R. 84, 452-
 453, 935, 1375
 Kiltz, H. H. 1209
 Kim, C. 3301
 Kim, C. W. 1256
 Kim, D. S. 2382
 Kim, J. B. 252
 Kim, J. C. S. 1858, 2198
 Kim, K. C. 2808
 Kim, L. 2270
 Kim, M. H. 2209
 Kim, S. H. 2382
 Kim, S. S. 412
 Kim, W. K. 1256
 Kim, Y. H. 362
 Kimpe, N. de 2283
 Kimsey, R. 2674
 Kimura, E. 2342
 Kin, D. H. 2647
 Kindele, N. N. 3002
 Kindle, H. 1578
 Kindler, A. 3159
 King, J. E. 2919
 King, L. A. 2255
 King, L. E., Jr. 1492, 1898,
 3223
 King, L., Jr. 831
 King, P. E. 1484
 King, P. Poon- 1184
 King, T. P. 845, 1774, 2747
 King, T. Poon- 1879
 King, T. G. 2949
 Kingsolver, J. G. 2949
 Kirchhoff, C. 1169, 3063
 Kirk, L. J. 2951
 Kirk, M. L. 2521
 Kirkland, K. E. 2399
 Kirkpatrick, C. E. 1900

- Kirkwood, A. C. 2431
 Kirnawardoyo, S. 2333
 Kirsch, G. E. 3225
 Kiryutkin, G. V. 2792
 Kislenko, G. S. 759
 Kissam, J. B. 481, 3111
 Kiszevski, A. E. 707, 1694
 Kitamura, N. 3047
 Kitchen, D. 1174
 Kitching, R. L. 390, 1054
 Kitching, R. P. 2701
 Kithinji, J. P. 1053
 Kitron, U. 662, 1100
 Kizer, K. W. 3303
 Kjønnøy, M. 1902
 Klahn, J. E. 983
 Klei, T. R. 1675
 Klein, J. M. 2545
 Klein, L. J. 355
 Klein, T. A. 1355, 2541, 2557, 2674
 Kleinjan, J. E. 2954
 Kleisbauer, J. P. 3187
 Klemperer, H. G. 2149
 Klen, T. 347
 Klenk, A. 3333
 Klepikova, F. S. 1520
 Kleyhans, K. P. N. 276
 Klier, A. 3262, 3269
 Klimaszewski, J. 3114
 Klimenko, S. M. 2453
 Kline, D. L. 2661
 Kline, E. R. 3305
 Klinge, H. 2757
 Klintworth, G. K. 946
 Klocke, J. A. 2966, 3327, 3334
 Klompen, J. S. H. 2215, 3142
 Klosterman, H. J. 2916
 Kloster, K. O. 1625
 Klowliden, M. J. 39
 Klunkier, R. 573
 Knapp, F. W. 749, 1146
 Knezovich, J. P. 3035
 Kniest, F. M. 1009
 Knight, A. W. 737-738
 Knobloch, C. A. 1597, 2527
 Knop, N. F. 2575
 Knowles, B. H. 2257
 Knowles, C. O. 113
 Knowles, R. C. 1844
 Knudsen, A. B. 1655
 Knudson, G. B. 2700
 Knülle, W. 1836, 2944
 Knutson, L. 1151, 3083
 Kobashi, K. 2647
 Kobayashi, K. 591
 Kobayashi, M. 2031
 Kocan, A. A. 3161
 Kocan, K. M. 2178, 2768
 Koch, H. G. 795, 1188, 2785
 Koch, H. T. 1238
 Koch, W. 542
 Kochoumian, L. 1774
 Kock, D. 122, 167
 Kodama, H. 1968
 Koeda, T. 181
 Koehl, M. A. R. 1051
 Koehler, K. 3301
 Koehler, P. G. 6, 116, 593, 1058-1059, 1314, 1564, 1571, 1606, 2926
 Koeman, J. H. 1124
 Köhler, T. 2494
 Kohn, M. 350
 Kokko, E. G. 460, 1698
 Kokwaro, E. D. 267
 Kolasa, J. 1083
 Köljen, A. 2894
 Komano, H. 1411, 2143, 3047
 Komano, T. 1930
 Komatsu, S. 2906
 Kommerij, R. 1729
 Komura, H. 1991
 Konar, A. 3326
 Konar, S. K. 569
 Kondo, V. A. 3121
 König, R. 1578
 Kononen, D. W. 1964
 Konrád, J. 2797
 Kooli, J. 415
 Kopantzev, E. P. 2733
 Kope, R. G. 1367
 Kopeyan, C. 1495, 2238
 Kopferschmitt-Kubler, M. C. 3196
 Kopp, D. D. 133, 140
 Kordy, E. El. 1684
 Korenberg, É. I. 758, 761
 Kornalik, F. 1290
 Kornberg, A. 3115
 Korneeva, L. A. 627
 Koros, J. K. 2067
 Korotkov, Yu. S. 759
 Korsgaard, J. 1866, 3198
 Korte, F. 861
 Kosalwat, P. 737-738
 Koseki, K. 1968
 Klei, T. R. 1675
 Klein, J. M. 2545
 Klein, L. J. 355
 Klein, T. A. 1355, 2541, 2557, 2674
 Kleinjan, J. E. 2954
 Kleisbauer, J. P. 3187
 Klemperer, H. G. 2149
 Klen, T. 347
 Klenk, A. 3333
 Klepikova, F. S. 1520
 Kleyhans, K. P. N. 276
 Klimaszewski, J. 3114
 Klimenko, S. M. 2453
 Kline, D. L. 2661
 Kline, E. R. 3305
 Klinge, H. 2757
 Klintworth, G. K. 946
 Klocke, J. A. 2966, 3327, 3334
 Klompen, J. S. H. 2215, 3142
 Klosterman, H. J. 2916
 Kloster, K. O. 1625
 Klowliden, M. J. 39
 Klunkier, R. 573
 Knapp, F. W. 749, 1146
 Knezovich, J. P. 3035
 Kniest, F. M. 1009
 Knight, A. W. 737-738
 Knobloch, C. A. 1597, 2527
 Knop, N. F. 2575
 Knowles, B. H. 2257
 Knowles, C. O. 113
 Knowles, R. C. 1844
 Knudsen, A. B. 1655
 Knudson, G. B. 2700
 Knülle, W. 1836, 2944
 Knutson, L. 1151, 3083
 Kobashi, K. 2647
 Kobayashi, K. 591
 Kobayashi, M. 2031
 Kocan, A. A. 3161
 Kocan, K. M. 2178, 2768
 Koch, H. G. 795, 1188, 2785
 Koch, H. T. 1238
 Koch, W. 542
 Kochoumian, L. 1774
 Kock, D. 122, 167
 Kodama, H. 1968
 Koeda, T. 181
 Koehl, M. A. R. 1051
 Koehler, K. 3301
 Koehler, P. G. 6, 116, 593, 1058-1059, 1314, 1564, 1571, 1606, 2926
 Koeman, J. H. 1124
 Köhler, T. 2494
 Kohn, M. 350
 Kokko, E. G. 460, 1698
 Kokwaro, E. D. 267
 Kolasa, J. 1083
 Köljen, A. 2894
 Komano, H. 1411, 2143, 3047
 Komano, T. 1930
 Komatsu, S. 2906
 Kommerij, R. 1729
 Komura, H. 1991
 Konar, A. 3326
 Konar, S. K. 569
 Kondo, V. A. 3121
 König, R. 1578
 Kononen, D. W. 1964
 Konrád, J. 2797
 Kooli, J. 415
 Kopantzev, E. P. 2733
 Kope, R. G. 1367
 Kopeyan, C. 1495, 2238
 Kopferschmitt-Kubler, M. C. 3196
 Kopp, D. D. 133, 140
 Kordy, E. El. 1684
 Korenberg, É. I. 758, 761
 Kornalik, F. 1290
 Kornberg, A. 3115
 Korneeva, L. A. 627
 Koros, J. K. 2067
 Korotkov, Yu. S. 759
 Korsgaard, J. 1866, 3198
 Korte, F. 861
 Kosalwat, P. 737-738
 Koseki, K. 1968
 Kossy, A. 490
 Kostenko, L. A. 283
 Kostina, L. I. 1520
 Kostina, M. N. 716
 Kostyuchenko, I. P. 620
 Kostyukov, M. A. 38
 Kostyukov, V. V. 3086
 Kotber, B. M. Okot. 267
 Kotlyar, L. 1043
 Kotti, B. K. 607
 Kouri, G. 1913
 Kouri, G. P. 369-370
 Kovács, F. 956
 Kováčs, L. 956
 Kovalc, T. M. 1553
 Kovalenko, L. G. 627
 Kovaliova, A. A. 1905-1906
 Koyama, N. 1930
 Kožuch, O. 1205
 Krafsur, E. S. 126, 494, 732, 1359, 1732
 Kraft, W. 197, 2179
 Kraiss, A. 197, 1853, 2179
 Kraiss-Gothe, A. 785, 1469
 Kral, B. 1556
 Kral, R. M., Jr. 1425
 Kramer, J. P. 962
 Kramer, K. J. 2119, 2507
 Kramer, N. 817
 Kramer, V. L. 2622
 Kramps, J. A. 1742
 Krantz, G. W. 1011
 Krasnyakov, V. Ya. 2792
 Kraus, W. 3333
 Krause-Michel, B. 1865, 2811
 Krauss, H. 1507
 Krebs, A. 163
 Kreitzer, J. F. 2869
 Kremer, M. 2663
 Kreutzer, R. D. 1690
 Krieg, A. 2471-2472
 Krikken, J. 980
 Kring, T. J. 2619
 Krishnakumari, M. K. 3318-3319
 Kristensen, C. 829
 Kristensen, N. P. 2488
 Krivokhatskii, V. A. 4
 Krombein, K. V. 752
 Kronstad, J. W. 2262
 Krug, H. F. 2480
 Kruse, H. 864
 Krylov, D. G. 25
 Kryuchechnikov, V. N. 761
 Ksiazek, T. G. 562
 Ku, Z. 43
 Kubai, D. F. 491
 Kubler, M. C. Kopferschmitt. 3196
 Kubli, E. 2898
 Kubo, I. 2906, 3331
 Kubo, T. 1995
 Kugler-Steigmeier, M. E. 3055
 Kühmann, D. 3338
 Kuhlow, F. 1105
 Kuhn, W. 976
 Kukla, B. A. 1708
 Kulcsár, P. 144
 Kulieva, N. M. 621
 Kulkarni, G. H. 1940
 Kul'kova, T. A. 624
 Kulshreshtha, R. C. 3214
 Kulshrestha, P. 278
 Kumar, A. 3239
 Kumar, K. 1281
 Kumar, P. 1073
 Kumar, R. 721, 2007, 3239
 Kumar, S. 572, 2867
 Kumarasighe, N. C. 1992
 Kumari, C. J. 1497
 Kumari, J. P. 548, 3313
 Kumari, P. G. 1575
 Kummerfeld, N. 331
 Küñast, C. 3289
 Kunentrasai, O. 1535
 Kuntz, R. E. 789
 Kunz, S. E. 121, 146, 1404, 3031
 Kuppusamy, M. 910, 915
 Kurashiki, H. 1148, 1540
 Kureel, V. R. 449
 Kurihara, N. 3018, 3310
 Kurihara, T. 2203
 Kurki, J. 1242
 Kurogi, H. 447, 2078
 Kurtak, D. 2681
 Kurtak, D. C. 2373
 Kutuz, S. B. 1145, 1381, 2101, 3001
 Kutzer, E. 2108
 Kuul', I. S. 626
 Kuwano, E. 1971
 Kuznetsov, V. D. 282
 Kuznetsov, V. P. 759
 Kuznetsova, L. A. 257
 Kwitrovich, K. A. 301
 Kyeyune, G. 3236
 Kyorku, C. A. 2087
 La Mar, G. N. 1407
 La Rosa, C. L. de 2985
 Lacey, J. 2754, 3022
 Lacey, L. A. 939, 2576
 LaChance, L. E. 503
 Lacher, T. E., Jr. 3320
 Lachowicz, T. M. 404
 Luckie, A. M. 876, 884, 1994, 2915
 Lacoursière, J. O. 2678
 Ladipko, E. 2694
 Ladle, M. 706
 Lago, N. 2440
 Lagog, M. 659
 Lah, J. 899
 Lahiri, P. 3312
 Lainson, R. 91-92, 451, 2368, 2988, 3336
 Laird, J. S. 3161
 Lajide, L. 3104
 Lal, B. 387
 Lal, R. 1533, 1952, 2867
 Lalitha, C. M. 150, 1421-1422, 2417
 LaMarca, M. E. 3107
 Lambert, D. M. 263
 Lambert, J. 124, 1159
 Lammel, E. M. 2520
 Lamounier, J. L. 2775
 Lampert, K. J. 560, 2951
 Lamy, M. 304, 975, 1779
 Lan, Q. 43
 Lancet 919, 1607, 2873
 Landau, I. 2449
 Landerset Simões, A. 325
 Landgraf, J. 2494
 Landolt, P. J. 2762
 Landon, T. M. 1748
 Landrum, P. F. 1284
 Landry, S. V. 1653
 Lane, R. P. 703, 2085-2086, 2908
 Lane, R. S. 526, 1830, 1861, 2783, 2837
 Lang, C. A. 920
 Lang, J. T. 612
 Lang, R. 861
 Lange, A. 3289
 Lange, A. B. 1326
 Langi, A. O. 535
 Langley, P. A. 944, 1119, 2690
 Lanner, Å. 160, 505-506
 Lanner, A. 3093
 Lanteaume, A. 3187
 Lanzaro, G. C. 929
 Lanzrein, B. 1578
 Lapierre, J. 2824
 Lapitskii, V. P. 2924
 Lara, J. R. 5
 Larget-Thiéry, I. 1931
 Larjani, E. Keyvan- 1264
 Larouze, B. 1712
 Larson, N. J. 3302
 Lassa, A. 2230
 Lata, K. 784
 Latif, A. A. 993, 1215, 3151
 Latsky, L. M. 3203
 Lau, P. C. K. 1037
 Laudien, H. 1547
 Laufer, H. 1293
 Laughlin, S. B. 274-275
 Laurance, W. F. 312
 Laurence, B. R. 2136, 2542
 Laurent, E. C. 1948
 Lauricella, M. 1589, 1591
 Laursen, J. 2329
 Lávčev, V. I. 1389-1390
 Laveissière, C. 1126, 1382
 Laverack, M. S. 3343
 Lavi, A. G. 22
 Lawson, T. J. 2276
 Lawton, J. H. 584
 Lawyer, P. G. 1376, 1689, 2670
 Lay, J. P. 861
 Lazam, S. G. 863
 Lazdunski, M. 3026
 Lazuick, J. S. 1505
 Le Flohic, A. M. Simitzis- 665
 Le Goff, F. 665
 Le Gonidec, G. 781
 Le Guenno, B. 3241
 Le Maître, A. 1948
 Le Pont, F. 81, 90, 1682
 Le Roux, J. G. 1134
 Lea, A. O. 2356
 Leak, S. G. A. 2094
 Leake, C. J. 253
 Leal, M. A. M. 30
 Leal, M. Villarreal- 2629
 Lebecque, S. J. 1019-1020
 LeBlanc, F. N. 3307
 Lebrun, P. M. 1019-1020
 Lecadet, M. M. 3262
 Leclair, R. 2851
 Leclercq, M. 456
 Ledger, J. A. 1308
 Lee, C. C. 537
 Lee, H. J. 362
 Lee, H. P. 2209
 Lee, K. T. 1365
 Lee, K. W. 1363-1364
 Lee, N. C. 2976
 Lee, R. E., Jr. 580, 958, 1150, 2786
 Lee, S. M. 3327
 Leech, C. A. 1066
 Lees, G. 398
 Lees, G. M. 1839
 Lees, K. 1869
 Leeuwenberg, A. D. E. M. 2968
 Lefer, L. G. 2228
 Leggiadro, R. J. 1454
 Legner, E. F. 1783
 Lehane, M. J. 1117, 1402
 Lehrer, A. Z. 2728
 Leibovici, V. 1017
 Leighton, J. 3256
 Leitch, B. L. 2172
 Lekanova, L. Sh. 282
 Lembeck, L. A. 2593
 Lemche, J. 2767
 Lemke, L. A. 1789, 2808, 3111
 Lenahan, R. A. 1947
 Leng, Y. J. 696-697, 701
 Lent, H. 18
 León, D. de 3145
 Leonel, J. 2994
 Leong, T. S. 1908
 Leonov, Yu. A. 1047
 Leonovich, S. A. 763
 Lepers, J. P. 2970
 Lepasat, J. A. 295
 Leppla, N. C. 1058
 Lereclus, D. 3262
 Lerman, Y. 3308

- Leskinen, L. 347
 Leslie, P. H. 4
 Lessof, M. H. 3249
 Leusen, I. 743
 Levchenko, E. E. 620
 Levi, M. 1840
 Levine, J. F. 2836, 3244
 Levine, M. I. 2459, 2490
 Levy, M. 2130
 Levy, R. 2625
 Lewengrub, S. 3163
 Lewis, D. J. 696, 934, 1084,
 2561, 2969
 Lewis, G. E., Jr. 1266
 Lewis, L. O. 848, 1522
 Lewis, R. 2538
 Lewis, R. D. 581-583
 Lewis, R. E. 2535
 Lewis, R. G. 2854, 3321
 Lewis, T. E. 2593
 Ley, S. V. 3332
 Ley, V. 351
 Lezzi, M. 751
 Li, B. S. 454
 Li, C. J. 3177
 Li, D. L. 440
 Li, D. S. 924
 Li, G. A. 1341
 Li, M. D. 23
 Li, Q. 639
 Li, R. 2133
 Li, T. X. 1622
 Li, W. X. 533, 770
 Li, Y. 2270
 Li, Y. M. 731
 Li, Z. C. 1097, 1338
 Li, Z. Q. 1410
 Liang, J. M. 53
 Liao, H. R. 3176
 Liappis, N. 1923
 Liarakos, C. 2152
 Libersat, F. 877
 Lichfield, P. 926
 Lichtenstein, L. M. 301, 2154,
 2460, 3249
 Lichwardt, R. W. 455, 3258
 Lieb, S. 557
 Liehaber, M. 600
 Liebisch, A. 167, 2114
 Liesch, J. M. 2279
 Lillie, T. H. 148, 2661
 Lim, R. P. 1332
 Lima, J. G. 511
 Lima, L. C. Ferreira- 1937
 Lima, M. E. de 1261
 Lima, M. M. 20
 Limpakarnjanarat, K. 28
 Lin, B. Y. 2947
 Lin, J. 2857
 Lin, L. H. 2266
 Lin, S. Y. 55
 Lin, Z. H. 3176
 Lind, P. 360, 1249, 1251-1252,
 1867, 2807, 3198
 Lindberg, R. E. 2941
 Linde, T. C. de K. van der
 2037, 2039
 Linden, A. L. 1367
 Linden, S. van der 1916
 Lindquist, D. A. 1135
 Lindquist, E. E. 3205
 Lindsay, P. J. 1459, 1838
 Linhares, A. X. 955
 Linley, J. R. 645, 1079, 1670,
 2068, 2567, 2664
 Lintithcum, K. J. 2032
 Liou, C. M. 3219
 Liscia, A. 960, 2140, 3064
 Litman, N. 1840
 Littler, S. 1176
 Liu, C. F. 55
 Liu, E. Y. 1269
 Liu, G. Z. 438
 Liu, H. S. 1425
 Liu, J. F. 1385, 2107
 Liu, J. K. 3286
 Liu, J. X. 440
 Liu, L. J. 435
 Liu, L. Z. 435, 1623
 Liu, R. A. 2282
 Liu, S. K. 2929
 Liu, S. Y. 2066
 Liu, Y. L. 440
 Liu, Z. D. 657
 Livdahl, T. P. 892
 Lloyd, J. E. 721
 Lloyd, M. 713
 Lloyd, S. 2429
 Lo Storto, E. 539
 Lobo, J. M. 2412
 Lochner, F. K. 3206
 Lockard, V. G. 2865
 Locke, M. 2489
 Lockey, K. H. 2893
 Lockey, R. F. 2410, 2490
 Lockwood, J. A. 115, 118,
 1920
 Loeschke, V. 292
 Lofgren, C. S. 298, 2760,
 2763, 3118, 3129
 Logan, L. L. 2250
 Logan, T. M. 2178
 Logie, S. 2010
 Lohuirignon, K. 2097
 Lok, J. B. 1900
 Lombardero, O. J. 1990
 Lombert, H. A. P. M. 2215
 Lommitzer, R. 160, 2750, 3093
 Lonic, E. 404
 Longbottom, J. L. 2804
 Loof, A. de 743, 3066
 Loomis, E. C. 446, 1146,
 1304-1306
 Loos-Frank, B. 1486
 Lopez, D. M. 2113
 López, M. Diaz 597
 López V., G. 328
 Lorbeer, B. 794
 Lord, J. C. 411
 Lorena, M. Jacobs- 1699
 Lorenz, L. H. 2593
 Lores, E. M. 2852
 Loria, D. 1282
 Loria, D. I. 1949-1950
 Lösch, P. 1598
 Lossen, B. 1887
 Louembet, M. T. 465
 Louis, J. P. 2973
 Lounibos, L. P. 46, 891, 1079
 Loupal, G. 1886
 Lourenço, W. R. 2233, 2236
 Lourenço-de-Oliveira, R. 75
 Louw, J. M. 149
 Love, S. 822
 Lovemore, D. F. 1122
 Löwenstein, H. 507, 845,
 1249, 1252, 2217
 Lowry, J. E. 846
 Lu, B. L. 658, 1096, 1340
 Lu, J. F. 3273
 Lu, S. H. 1339
 Lubach, D. 2757
 Lucientes, J. 516
 Luckins, A. G. 3141
 Lucky, A. W. 1480
 Luger, D. 1140
 Luguru, S. M. 515
 Lukhmeneva, O. P. 262, 622
 Lukoschus, F. S. 808, 3182-
 3183
 Lummis, S. C. R. 2912
 Lun, K. C. 2486
 Luna, L. L. 2550
 Lundholm, E. 2860
 Luo, M. Z. 440
 Luo, S. B. 1269
 Luo, X. F. 2066
 Luo, Y. 1392
 Luqman, W. 1021
 Lusby, W. R. 3132
 Lussenhop, J. 721
 Luther, D. G. 1398
 Lützen, J. 1502
 L'vov, D. K. 765, 2452
 Lyapustin, V. N. 175
 Lye, M. S. 2963
 Lyons, E. T. 1718, 2696
 Lyons, J. J. 3023
 Ma, D. P. 2270
 Ma, L. M. 610, 1479, 3179
 Maa, C. J. W. 2118
 Maasch, H. J. 1870
 Mabaya, D. A. 305
 Mabbett, T. 1424
 McAllister, C. G. 3107
 McAllister, C. T. 1745, 1837
 Macan, T. T. 2877
 McCaffery, A. R. 2754
 McCallister, G. 886
 McCallister, R. E. 1480
 Macchioni, M. 314
 McCommas, S. A. 3059-3060
 MacCormack, C. P. 2975
 McCormick, J. B. 1265
 McCoy, J. P. 1817
 McCreadie, J. W. 708
 McCullagh, A. 441
 McDade, J. E. 1002
 McDaniel, C. A. 1447
 McDaniel, I. N. 2819
 McDevitt, M. 2776
 Macdonald, G. 2949
 MacDonald, J. 26
 McDonald, P. T. 120, 3031
 McDonald, R. K. 2798
 McDougal, B. J. 540
 Mace, D. W. 1529
 McEldowney, A. M. 3288
 McElligott, P. E. 2706
 McElligott, P. E. K. 3042
 Macfarlane, H. A. F. 1016
 McFarlane, J. E. 3127
 McGovern, T. P. 1059
 McGregor, W. 1451
 McGuire, T. R. 1549
 Machado, R. Z. 315
 Machado-Allison, C. E. 46,
 891
 Machemer, R. 946
 Machin, J. 2748, 2892
 McHugh, S. M. 3014
 Maciejewska, J. 406
 McInnis, T., Jr. 249
 McIntosh, B. M. 2553
 McIver, S. B. 2706
 MacIvor, K. M. de F. 999
 McKay, R. J. 2883
 MacKay, W. P. 2761
 McKeand, J. 3324
 McKee, M. J. 113
 McKeen, W. D. 147
 McKeever, S. 1735, 1752,
 2986
 McKenna, R. V. 1457
 McKenzie, J. A. 296, 504
 Mackenzie, J. S. 2831
 McKilligan, N. 520
 McKillup, S. C. 3230
 McKinnon, I. 2479
 Mackley, J. W. 286
 McLain, D. K. 640, 685
 McLaughlin, R. E. 2595,
 2612, 2623
 McLaughlin, R. M. 1954
 McLea, M. C. 263
 McLean, K. M. 3266
 McLean, S. A. 2540
 MacLeod, K. E. 2854
 McMahon-Pratt, D. 2368
 MacMillan, S. 1980
 McNamara, J. 1982
 McNew, R. W. 787
 McNicol, R. E. 860
 McPherson, A. 1038
 Macpherson, C. L. 1980
 Macpherson, J. N. 2712
 Macqueen, A. 281, 2719
 McReynolds, L. A. 2657
 McWherter, G. R. 1832
 Maddern, R. H. 492, 969
 Maddrell, S. H. P. 2306, 2325,
 2532
 Madenjian, J. J. 5
 Madigan, J. E. 2249
 Madriz, L. F. 2385
 Madruga, C. R. 511
 Madsen, F. 2221
 Maeda, M. 1991
 Maegga, B. T. A. 1702
 Maes, F. W. 2137, 2139
 Magnano, H. H. 2428
 Magharelli, L. A. 427, 523-
 524, 561, 1657, 2766, 2788
 Magnin, M. 1356, 2648
 Magno, S. 2281
 Magnon, G. J. 2984
 Magnuson, L. J. 1078
 Magnusson, J. 3051-3052
 Magpayo, F. R. 1148
 Magrini, L. 3212
 Magunacelaya R., J. C. 2414
 Mah Lee Ng 843
 Mahaffy, A. F. 663
 Mahajan, B. K. 2667
 Mahalingam, P. 109
 Mahboob, M. 3323
 Mahillon, J. 2260
 Mahmood, F. 445
 Mahmood, T. 1272
 Mahoney, D. F. 3160
 Mahowald, A. 1699
 Maia, L. Freire- 819, 2232
 Maier, P. 3055
 Maier, W. 2656
 Mail, T. S. 869, 1402
 Main, A. J., Jr. 792-793
 Main, B. Y. 2883
 Maire, A. 2851
 Maitra, S. C. 2654
 Maitre, A. le 1948
 Majhi, B. 3025
 Majiwa, P. A. O. 1708
 Mak, J. W. 2963
 Makino, S. 981
 Makita, T. 1968
 Malcolm, C. 632
 Malcolm, C. A. 900, 1095
 Maldonado-Capriles, J. 3202
 Maleville, J. 1779
 Mali, P. 1095
 Malinoski, F. J. 64
 Malkmus, R. 329
 Malliga Devi, T. 3309
 Malling, H. J. 505-507, 2157
 Malo, É. A. 2526
 Małolepszy, J. 159
 Mal'tseva, M. M. 589
 Malunjkar, A. S. 903
 Mancianti, F. 450
 Mandal, A. 3312
 Mandalos, X. Vafopoulou-
 1293
 Mandeville, J. D. 1400, 2714
 Mangan, R. L. 119
 Mangani, M. P. C. 1212
 Mangani, P. C. 2789
 Mangel, M. 1982
 Mangiaterra, M. 558
 Mani, K. 388
 Mani, K. B. S. 1534
 Mani, T. R. 70
 Manilla, G. 185, 1814
 Manna, A. K. 568
 Mano, K. 722
 Manonmani, A. M. 423, 426,
 906, 911
 Mansingh, A. 2185
 Mansingh, A. P. 165
 Mansmann, H. C., Jr. 300
 Manson, P. 250
 Mantel, P. 1444
 Manurung, J. 543
 Manweiler, S. A. 2783
 Mar, G. N. la 1407
 Maracic, M. 1333
 Marais, L. 1813
 Marchand, P. J. 1537
 Marchi, A. 1358
 Marchiondo, A. A. 3040
 Marchot, P. 1494
 Marco, G. J. 3345
 Marcos, R. 500, 953, 3054
 Margalit, J. 248, 894, 2474
 Mariappan, T. 418, 912
 Marin, R. E. 606
 Marinotti, O. 2398, 2722
 Marjolet, M. 556
 Markham, R. H. 101
 Markina, V. V. 627
 Marks, E. P. 2916
 Marle, J. van 1430
 Maroli, M. 258, 450
 Marriner, S. E. 2479
 Marsden, P. D. 89, 213, 1679

- Marsh, D. G. 845
 Marsh, P. M. 3134
 Marshall, N. 600
 Marshall, N. A. 2523-2524
 Marshall, S. A. 2731
 Marshall, T. F. de C. 1099
 Marszalska, M. Nittner- 159
 Martho, J. A. R. 2773
 Marti-Wyss, S. 306, 754, 1172
 Martijn, A. 2848
 Martin, B. M. 1023, 1893,
 3107
 Martin, J. 3272
 Martin, M. F. 361, 1024,
 1261, 1494
 Martin, P. A. W. 1935
 Martin de Agar, P. 2502
 Martin F., E. 228
 Martin Mateo, M. P. 2319
 Martín Piera, F. 2412
 Martinez, A. Gutiérrez- 2526
 Martínez, E. 1913
 Martinez, G. 2238
 Martinez, L. M. 517
 Martinez, M. E. 605
 Martinez, R. 2581
 Martinez, R. I. 2113
 Martinez, T. 1080
 Martinez-Cruz, M. S. 513
 Martinez Cuevas, E. 502
 Martinez-Gómez, F. 513
 Martinez Ortega, E. 2372
 Martinez-Ortega, E. 2672-
 2673
 Martinez-Vargas, A. Z. 1890
 Martins, A. V. 87, 94
 Martyn, K. P. 2810
 Maruta, K. 2400
 Maruyama, S. 1499
 Marval, F. de 2195
 Marvaldi, J. 2815
 März, L. 2158
 Marzouk, A. S. 767, 769,
 3153
 Marzouk, M. A. 2110
 Marzsó, L. Szalay- 76
 Mason, D. T. 2321
 Massa, R. 164
 Massacrier, A. 1024
 Massad, E. 363
 Massary, M. El- 550
 Masters, H. M. 1345-1346
 Masud, S. Z. 1962
 Masui, A. 3296
 Matarasso, S. 226
 Matarawy, O. M. El- 2124
 Mateo, M. P. Martín 2319
 Matha, V. 1648-1649, 2689
 Mathavan, S. 1958
 Mather, T. N. 430, 777, 1826
 Matheson, I. M. Hernandez-
 2014
 Mathews, C. P. 2448
 Mathieu, M. N. 2130
 Mathur, A. 3239
 Mathur, K. K. 3012
 Matin, M. A. 2292
 Matolcsy, G. 144
 Matos, E. 1282
 Matos, E. L. 1949-1950
 Mats, A. N. 804
 Matsumoto, A. 3331
 Matsumoto, N. 2143
 Matsumoto, S. 1968
 Matsumoto, T. 3331
 Matsumura, F. 2717
 Matsumura, T. 1743
 Matsuura, M. 756, 1428
 Matsuyama, K. 1411
 Matsuzaki, O. 158
 Matthee, O. 2424
 Mattheeuws, D. 2331
 Matthews, G. A. 2632
 Matthews, T. C. 1094
 Matthiessen, J. N. 742, 744
 Mattson, N. S. 2855
 Matumoto, M. 447
 Matz, L. R. 371
 Maudlin, I. 105, 1383, 2692
 Maul, D. H. 1585
 Maupin, G. O. 2536

- Maurice, J. 393
 Mawuena, K. 3003
 May, K. 1371
 May, R. M. 363, 2492, 3281
 Mayer, F. L., Jr. 2484
 Mayer, J. 1253
 Mayer, K. S. 2484
 Mayer, P. 3237
 Mayerhofer, J. 338
 Maynard, M. 2857
 Mayol, L. 2281
 Maywald, G. F. 1056, 1191-
 1192, 1216-1217, 1230-1231
 Mazokhin-Porshnyakov, G. A.
 887
 Mazur, G. 2120, 3069
 Mazzini, M. 1756, 2732
 Mazzoneti, J. 1915
 Mbengue, M. 519
 Mbuya-Mimbanga, M. 3210
 Mead-Briggs, A. R. 363
 Mebrahtu, Y. 2375, 2680
 Mebs, D. 1290
 Mebus, C. A. 2250
 Mecham, J. O. 3245
 Medina-Gaud, S. 3202
 Medleau, L. 1883
 Medveczky, I. 956
 Meek, C. L. 1661, 2590, 2592
 Meenehan, G. 366
 Meenehan, G. M. 2345
 Meer, J. M. van der 1543
 Meer, R. K. vander 3118,
 3126, 3129
 Meersche, M. van 2283
 Meffert, L. M. 3061
 Megharaj, M. 1045
 Mehaffey, P. C. 429
 Mehdi, N. S. 237, 1086-1087
 Mehendale, H. M. 2865
 Mehlhorn, H. 1973
 Melitz, D. 464
 Mehr, Z. A. 773
 Mei, H. C. 443
 Meillon, B. de 1050, 2080
 Meinke, G. C. 2941
 Meinking, T. L. 598, 1071
 Meis, J. F. G. M. 2656, 2978
 Meisch, M. V. 2619-2620
 Meiswinkel, R. 2079
 Mekkawy, M. Y. 977-978
 Melchior, G. L. 2613
 Melis, P. 931
 Mello, M. L. S. 1076-1077,
 2525
 Mellor, P. S. 2358, 2666,
 2701, 3168
 Melnikova, N. G. 716
 Melo, J. R. Cunha- 2232
 Meloa, C. E. 1283
 Melotti, P. 153
 Menary, R. C. 3288
 Mendel, Z. 3135
 Mendes, H. 495
 Méndez, J. F. 1633, 1638
 Mendez, M. A. 429
 Mendis, K. N. 241, 2974
 Meola, R. 40, 2653
 Meola, S. 224
 Mercer, D. R. 1362
 Mercer, J. G. 308
 Merchant, M. E. 478
 Mercier, J. 1324
 Merck, Sharp & Dohme Pty.
 Ltd. 1532
 Merdan, A. A. 2570
 Merdan, A. I. 1683, 1685
 Meredith, C. 2863
 Merlin, P. 518, 1843, 2146
 Mérat, P. 461-462
 Merrett, W. J. 706
 Merriman, J. 2899
 Merrifield, R. B. 1410
 Merritt, R. W. 1652, 2955
 Mesihović, Z. 2938
 Meskin, I. 1408
 Messeguer, A. 1060, 1577,
 2316
 Messner, B. 3082
 Metersky, M. L. 2227
 Metz, P. A. 2279
 Meuwissen, J. H. E. T. 2968,
 2971
 Meyer, E. 3287
 Meyer, H. J. 133, 140, 749
 Meyer, J. A. 147, 280, 287,
 472, 480, 1154, 1400, 1751,
 2713
 Meyer, M. 410, 851, 1662
 Meyer, M. K. P. Smith 188
 Meyer, R. 2681
 Meyer, R. P. 1616, 2578
 Meyn, E. L. 1953
 Mezencio, J. M. S. 2072
 Mezzanotte, R. 1358, 2707
 Mian, L. S. 35
 Miao, Y. G. 2054
 Micard, D. 1416
 Michael, S. A. 269, 2245
 Michaelis, E. K. 1259
 Michailova, P. 3015
 Michel, B. Krause- 1865, 2811
 Michel, F. B. 1868
 Michel, M. 1779
 Michener, C. D. 3133
 Middleton, D. B. 1028
 Mikawa, H. 336
 Mikhailenko, A. G. 1196
 Mikhnovskaya, N. D. 620
 Milby, M. M. 1616, 2575,
 2621
 Milio, J. 1606
 Miller, B. R. 664, 2600
 Miller, J. A. 1404, 3016
 Miller, J. R. 2263
 Miller, L. H. 251, 2336
 Miller, R. B. 1454
 Miller, R. I. 1675
 Miller, R. W. 3041, 3112
 Miller, T. A. 26-27
 Miller, T. W., Jr. 2625
 Mills, A. 3
 Mills, T. A. E. Platts- 334,
 337, 547, 807, 845, 1250,
 1252, 2217, 2219, 2804-
 2805, 3185, 3190
 Milner, R. J. 3276
 Miltenburger, H. G. 2471-
 2472
 Mimbanga, M. Mbuya- 3210
 Mimioglu, M. 1677
 Mimura, K. 2126, 2724
 Minář, J. 283, 2104
 Ming, Q. X. 2143
 Minhas, N. 2317
 Minoura, H. 529
 Minter, D. M. 2942
 Minter-Goedbloed, E. 2942
 Miranda, A. 3095
 Miranda, J. C. 2939
 Miranpuri, G. S. 1456, 1608
 Mirčeva, M. A. 1389
 Mironov, A. N. 231
 Mirza, M. A. 2292
 Mirzayan, H. 1323
 Misch, D. W. 138
 Mishra, A. K. 783
 Mishra, S. C. 195
 Mishra, S. K. 2263
 Mitchell, C. J. 1650, 2555,
 2600
 Mitchell, E. B. 334, 807, 1250
 Mitchell-Jones, A. J. 3304
 Mitsui, T. 1969
 Mitteau, A. 461-462
 Mittelholzer, L. 1557
 Miura, T. 2853, 2964
 Miwa, A. 2823, 2825
 Miyagi, I. 688, 2591
 Miyamoto, T. 722, 811, 2218
 Miyashita, K. 2234-2235
 Miyata, M. 3056
 Mkandwire, R. 1213
 Mochida, K. 1740
 Modespacher, U. P. 2996
 Modi, G. B. 2367, 2370
 Modly, C. E. 3137
 Modrow, S. 3069
 Moermans, J. 2331
 Moez, M. K. A. 767
 Mofty, M. M. el- 1442
 Mogi, M. 688, 1624, 2626
 Mohammad Zakaria 2909
 Mohan, S. 849
 Mohan Sen, M. 192
 Moher, D. L. Vyszenski- 1877
 Mohsen, A. Abd- 655
 Mohsen, Z. H. 237, 1086-1087
 Moiyo, O. K. ole 2695
 Molina, P. A. 261
 Molinengo, L. 1301
 Moll, G. 1244
 Molles, M. C., Jr. 1296
 Moloo, S. K. 1145, 1381,
 1708, 2094, 2101, 2693,
 3001
 Molyneux, A. S. 1727
 Molyneux, D. H. 453, 530,
 1678, 1714, 2092, 2997,
 3166
 Momen, H. 2363
 Monahan, M. J. 786, 1817,
 1825
 Monath, T. P. 926, 1505,
 1650, 2075
 Monod, M. 849
 Monteil, S. 1667
 Montes, C. 2502
 Mood, A. M. 1301
 Moon, M. J. 1256
 Moon, R. D. 749, 1152
 Moore, A. J. 1562
 Moore, E. 1472
 Moore, F. M. 342
 Moore, H. 1350
 Moore, J. C. 2852
 Moore, J. S. 453
 Moore, N. F. 1204, 2255
 Moorhouse, D. E. 788
 Moraes, F. R. 2773-2774
 Morales, E. L. 773
 Morales A., A. 2370
 Morales Alarcón, A. 1635
 Morallo-Rejues, B. 2739
 Morant, S. V. 1726
 Morar, Z. 2297
 Morard, P. 42
 Morcillo, G. 1170
 More, N. K. 1570
 Moreau, A. 2005
 Morgan, D. 2273
 Morgan, E. D. 1988, 3332
 Morgan, K. R. 734
 Morgan, T. D. 2507
 Mori, A. 591
 Mori, K. 2164, 3329, 3335
 Mori, T. 1202
 Morice, P. 3233
 Moriello, K. A. 223, 2199,
 2312
 Morier, L. 1913
 Morinière, M. 551
 Morio, Y. 2483
 Morita, C. 3246
 Morita, H. 2710, 2723
 Morley, F. H. W. 2147
 Morón, M. A. 3087
 Morris, B. 1163, 2116
 Morris, C. D. 1348, 2558
 Morris, T. 2751
 Morrison, D. G. 118
 Morrison, G. 1984
 Morrison, J. 1565, 1815, 1935
 Morrison, M. N. 604
 Morrison, P. E. 290, 2396
 Morse, R. A. 3101
 Morsy, T. A. 608, 1685, 2024-
 2025, 2989
 Mortelmans, J. 1123, 1713
 Morton, R. M. 2660
 Morzaria, S. P. 1235, 2172,
 2196, 2768, 3172
 Mosbech, H. 335, 356, 507,
 1474-1475, 2157, 2221,
 3198
 Mosci, P. 541
 Moss, S. R. 1801
 Mostafa, I. Y. 1965
 Motoki, T. 2122
 Mouka, J. 2797
 Moulton, S. R., II 2241
 Mount, G. A. 1831

- Mourya, D. T. 425, 903, 905, 1335
 Moussa, M. I. 254
 Mpofu, M. 385
 Muarrawi, M. W. Al- 1730
 Mücke, H. W. 307
 Mudaheranwa, J. P. 2283
 Mugambi, M. 2343
 Muirhead-Thomson, R. C.
 1538
 Mukhanov, S. M. 625, 628
 Mukhamadiiev, S. A. 279
 Mukhopadhyay, A. K. 449,
 932
 Mukkama, T. K. 2042
 Mukolwe, S. W. 3161
 Mulla, M. S. 35, 2614, 2644
 Mullens, B. A. 147, 280, 446,
 472, 480, 1154, 1400, 1676,
 1734, 2665, 2713
 Müller, A. 861
 Müller, H. M. 2285
 Müller, J. M. 2815
 Müller, M. J. 1672
 Müller, P. 487, 573
 Müller, U. 160
 Müller, U. R. 2157, 2751
 Mulligan, F. S., III 2964
 Mullins, S. B. 3206
 Mulmule, S. 1809
 Munaf, A. A. 909
 Munaó Diniz, L. S. 1460
 Munatswa, F. C. 1238
 Münch, E. 2402
 Munesinghe, Y. D. 241, 2974
 Mungomba, L. M. 530
 Muñoz-Cuevas, A. 1490
 Muñoz Parra, S. 596-597
 Munstermann, L. E. 1619,
 2549, 2950
 Murao, S. 1939
 Muratova, M. E. 630
 Murdoch, W. W. 636
 Murillo, J. 1687
 Murithi, J. K. 267
 Muro, A. I. S. 1702
 Murphree, C. S. 2662
 Murphy, G. M. 1409
 Murphy, S. J. 1988
 Murphy, W. L. 3083
 Murray, M. D. 1325, 1372
 Murray, R. G. E. 848
 Mursic, V. Preac- 794
 Murtaugh, M. P. 3128
 Murtaza, M. 784
 Murthy, C. K. 552
 Murty, U. S. 424
 Murugaboopathy, N. 1275
 Mushagalusa, R. 3002
 Mushi, E. Z. 1980
 Musisi, F. L. 515, 2789
 Muška, M. 1749
 Muss, C. 2378
 Mustafa, M. 3323
 Mutalib, A. R. 537
 Mutchmor, J. A. 2001
 Mutero, C. M. 686
 Muthukrishnan, J. 3071
 Muthukrishnan, S. 1082
 Muthukumar, G. 925, 3265
 Mutunga, J. Mutuku 1132
 Mutunga, M. J. 82
 Muto, K. 803
 Mutugi, J. J. 1237
 Mutuku Mutunga, J. 1132
 Muzaffar, N. 753
 Muzyłëva, I. L. 804, 810
 Mwandanda, J. 82
 Mwangala, F. S. 3043
 Mwangelwa, M. I. 2098
 Mwangi, R. W. 1353
 Myers, J. E. 2766
 Myers, L. E. 866
 Myhill, D. G. 3304
 Mylchreest, I. C. 1988
 Nabawi, A. El- 864
 Nabokov, O. V. Viktorov- 627
 Nachman, R. J. 2505-2506
 Nadakal, A. M. 2447
 Nadler, S. A. 2008
 Nag, M. 3315
 Nagano, H. 2203
 Nagant de Deuxchaisnes, C.
 1914
 Nagaratnam, N. 2167
 Nagasawa, K. 1499
 Nagasawa, S. 3027
 Nagasawa, Y. 1411
 Nagata, K. 2723, 3056
 Nagan, L. 2518
 Nagpal, B. N. 2543-2544
 Naguib, S. 550
 Naidu, B. P. 548, 3313
 Naiff, R. D. 1686, 2371
 Nair, M. G. 165, 2263
 Najib, M. A. 909
 Nakagawa, T. 811
 Nakai, Y. 811
 Nakajima, T. 1434, 1444,
 2218, 2821, 3108
 Nakajima, Y. 2143
 Nakamura, A. 3317
 Nakamura, T. 1740
 Nakanishi, K. 1991
 Nakanishi, S. 3047
 Nakanishi, Y. 1411, 2143
 Nakano, H. 336
 Nakashima, M. 2710-2711
 Nakatsugawa, T. 383
 Nakazono, Y. 3329
 Nall, T. M. 2459
 Nam, A. A. 262
 Nam, É. A. 622
 Nam, N. H. 3290
 Nanda, K. K. 583
 Nandeesha, M. C. 552
 Nandi, N. 3315
 Nansen, P. 2089
 Naoshima, Y. 1766
 Nappi, A. J. 242
 Naqvi, S. N. H. 1561
 Naraanga, V. 3311
 Narai, N. 2823
 Narang, S. K. 73, 412
 Narayana Rao, V. V. S. 1952
 Narayanasamy, G. 70
 Nardelli, L. 2938
 Narkunas, J. P. 557
 Narsaiah, J. 78
 Nasci, R. S. 2616, 2624
 Nasidi, A. 926
 Nassar, E. da S. 559
 Nässel, D. R. 2125, 2401,
 3045
 Nastase, A. J. 2985
 Natarajan, R. 1534
 Nathan, M. B. 1667
 Nathenson, G. 1840
 Natori, S. 971, 1411, 1413,
 1995, 2143, 3046-3047
 Navarro, J. C. 891
 Navio, A. M. Florida 13, 596-
 597
 Navio, F. A. 2113
 Nawal, S. 1087
 Nawrocki, S. J. 2579
 Nayar, J. K. 414, 641-642,
 644, 646, 650, 2577
 Nazarová, I. V. 193
 Nazer, I. K. 1733
 Nazrul, H. 207
 Nduku, M. 2951
 Neal, C. 998
 Neave, M. J. 2145
 Negishi, T. 3057
 Negus, R. 1153
 Neilson, J. D. 1498
 Neitz, A. W. H. 992, 3149
 Neki, A. 1930
 Nel, A. 2037
 Nel, P. D. 2482
 Nelson, D. R. 2998
 Nelson, R. T. 2999
 Nelissen, J. L. 321
 Nemenyi, P. B. 664
 Nentwig, W. 1889
 Nepoklonov, A. A. 2742
 Nesbitt, J. Noble- 399
 Neste, D. J. J. van 3188
 Neumann, L. 2518
 Neutra, R. 3303
 Nevill, E. M. 2390
 Newberry, K. 2019-2020
 Newlands, G. 3217
 Newman, R. A. 145
 Newman, S. M. 2916
 Newman Taylor, A. J. 2754,
 3022
 Newson, R. M. 1218, 1225,
 3151
 Newton, M. 1249
 Ng, M. L. 843
 Nguyen-Dinh, P. 1665
 Ni, Y. S. 590
 Nicholas, L. 634
 Nicholls, B. 2381
 Nicholls, D. 1791
 Nichols, D. B. R. 2115
 Nicholson, W. L. 2836
 Nickerson, J. C. 973
 Nickerson, K. W. 925, 3265
 Nickle, W. R. 302
 Nicolas, L. 668
 Nicolescu, G. 51
 Nicoletti, L. 1110
 Nicolson, S. W. 2150
 Nielsen, B. O. 2089
 Nielsen, E. T. 647
 Nielsen, M. G. 3120
 Niessing, J. 2402, 2402
 Nikitina, A. D. Petrova- 810
 Nikolaev, V. L. 804
 Nilssen, A. C. 212
 Nilsson, C. 2962
 Ninkov, D. 1849
 Nisbet, A. 3175
 Nisbet, R. M. 584
 Nishibe, I. 1273
 Nishida, M. 1930
 Nishimura, K. 1942, 3310
 Nishimura, M. 2483
 Nishino, C. 591
 Nishiura, J. T. 1646
 Nishiyama, A. 2723
 Nitchevan, S. 3000
 Nittner-Marszalska, M. 159
 Nitzschner, H. 349
 Niv, Y. 301
 Niyonoma, A. 1209
 Nizeyimana, B. 416, 442
 Nkouka, E. 463, 1715
 Nnakumusana, E. S. 31, 2043
 Noble, R. W. 1176
 Noble-Nesbitt, J. 399
 Noguchi, T. 2825
 Nogueira, R. M. R. 74
 Noh, Y. T. 2209
 Noireau, F. 102, 266, 463,
 465, 1712, 1715-1716
 Nolan, M. P., III 481
 Nölke, J. 1760
 Nolte, C. Schäfer- 331
 Nolte, D. 1865, 2811
 Nomoto, K. 1991
 Nor, Y. M. 567
 Nordlander, B. Carlsson- 2190
 Nordvall, S. L. 357, 506
 Norman, P. S. 1249
 Norment, B. R. 1803
 Norrbom, A. L. 3038
 Norris, P. G. 3184
 Norton, G. A. 1189
 Norton, N. B. 3271
 Norval, R. A. I. 989, 1206,
 1214, 1226, 1238, 1242,
 1466, 1802, 3155-3156
 Nosek, J. 1205
 Novak, C. P. 540
 Novak, F. 304, 975
 Novak, M. G. 2613
 Novak, R. J. 2065
 Novy, J. E. 126, 2112
 Nowell, W. R. 2569
 Nozaïs, J. P. 1001
 Nsengwa, G. R. M. 838
 Ntiamo-Baidu, Y. 1804,
 2777-2778
 Nudelman, S. 1100
 Nugyre, M. T. 433
 Nuhn, P. 2494
 Nunes, L. R. 2722
 Nunes, T. B. 549
 Nunn, A. J. 2754, 3022
 Nuorteva, P. 1171, 1370
 Nur, U. 1182
 Nurani, S. 207
 Nurul Huda, K. M. 1640
 Nussenzweig, R. S. 1333
 Nuttall, P. A. 1000, 1204,
 1801, 2769
 Nutting, W. B. 364, 2214
 Nyazema, N. Z. 305
 Nyindo, M. 2188, 2765
 Nzoukoudi, M. Y. 1712
 Obaidi, A. S. R. Al- 882
 Oberem, P. T. 2424
 Obilesu, K. 1278
 Obiri, G. 317
 Obradović, V. 1849
 O'Brien, J. 2895
 O'Callaghan, M. G. 1472
 Ocama, J. G. R. 1238
 Ocanto, P. 891
 Ochieng, R. S. 1711
 Ochoa, J. 512
 Ochoa A., J. O. 261, 2994
 Ochou, G. 2740
 O'Connor, B. M. 2023, 2215,
 3142
 O'Connor, J. D. 1748
 Ocran, M. 2681
 Oda, T. 1370
 Odell, G. V. 823, 827, 830
 Odhiambo, T. R. 267, 3353
 Odindo, M. O. 2044
 Odinets, A. A. 716
 Odom, C. B. 1412
 O'Donnell, M. J. 1596
 Oelrichs, P. B. 2758
 Offori, E. D. 1140
 Ofitserova, N. F. 758
 Ogata, K. 100
 Ogawa, E. 2516
 Ogawa, K. I. 2556
 Ogilvie, G. 342
 Ogita, T. 2218
 Ogunba, E. O. 1167
 Ogura, N. 238, 2031, 2979
 Ogwal, L. M. 2690
 Ohana, B. 2474
 Ohashi, Y. 811
 Ohba, M. 1643
 Ohlsson, L. G. 2125
 Öhman, S. 505-506
 Ohsumi, T. 2122
 Ohtake-Hashiguchi, M. 2516
 Ojak, Z. 2796
 Okada, M. 2143, 3046
 Okafor, B. C. 926
 Okazawa, T. 688, 1624
 Okbí, L. M. A. El- 2025
 Okoroanyanwu, W. 1002
 Okot-Kotber, B. M. 267
 Okoth, J. O. 2099
 Okudaira, H. 2218
 Okuyama, Y. 806
 Okwakol, M. J. N. 3337
 Olagbemiro, O. T. 3104
 Oldewage, W. H. 1901, 2242
 Ole-Moiyo, O. 1708
 Ole-MoiYoi, O. K. 2695
 Olive, P. J. W. 3342
 Oliveira, C. M. B. de 268
 Oliveira, G. P. de 1845
 Oliveira, R. Lourenço-de- 75
 Oliver, J. H., Jr. 791, 1292,
 2184
 Oliver C., M. 942
 Olsen, F. W., Jr. 311
 Olson, A. R. 5
 Olson, J. G. 2593
 Olson, J. K. 2568
 Olsson, I. 2190
 O'Malley, K. L. 3107
 O'Malley, S. L. C. 2069
 Omar, A. H. 726-728
 Omar, M. S. 3004
 O'Meara, G. F. 652
 Omstead, D. R. 2279
 Omwoyo, P. L. 2172
 Ondarza, R. N. 2526
 O'Neil, C. E. 2508
 O'Neill Foil, C. S. 1514
 Oner, C. 2866

- Ono, M. 3091
 Ono, Z. E. 808
 Ontiveros, A. 1588, 1590
 Onyango, F. K. 2067
 Oouchi, H. 944
 Orchard, I. 1326
 Orihel, T. C. 2341
 O'Rourke, P. K. 3146
 Orr, G. L. 2317
 Orr, T. 886
 Ortega, E. Martínez 2372
 Ortega, E. Martínez- 2672-
 2673
 Ortega, G., M. 942
 Orth, R. E. 1151, 3083
 Ortiz, A. A. 1187
 Orzech, K. A. 3271
 Osaki, N. 3291
 Oshar, M. A. El- 382
 O'Shea, D. 2945
 O'Shea, M. 2517
 Oshida, Y. 803
 Osman, A. Z. 2477
 Osman, N. I. 3004
 Osman, O. M. 534
 Osman, S. I. 1442
 Osorio, G. M. 2018
 Ossi, G. T. 1609
 Oster, C. N. 2680
 Osujih, M. 2519
 Osur, S. L. 984
 Otake, H. 2782
 Otaru, M. M. M. 838
 Otieno, L. H. 106, 1711, 2095,
 2098
 Otieno, W. A. 2044
 Otter, C. J. den 2102
 Ouchi, N. 1504
 Ouda, N. A. 2058, 2651
 Ouedraogo, J. B. 1910
 Ouelli, H. 180, 2419, 3158
 Ovchinnikova, O. G. 141
 Overal, W. L. 1427, 1446
 Overgaard Nielsen, B. 2089
 Overton, J. A. 2532
 Ovies, D. 1248
 Ovsyshcher, I. 818-819
 Owada, S. 859
 Owen, M. D. 2759
 Ownby, C. L. 830
 Owslay, M. R. 2184
 Oyoun, L. I. 768
 Ozzerov, A. L. 288
 Ozoe, Y. 1740
 Paci, P. 1110
 Padrón, R. 1255
 Paes-Oliveira, M. 2363
 Pagac, B. B. 2593
 Pahlman, I. 1474
 Pai, K. S. 227
 Paily, K. P. 418, 907, 912,
 2071
 Painé, G. 993
 Pajor, I. T. P. 256
 Pajot, F. X. 80
 Pakalnis, V. A. 946
 Pal, A. K. 569
 Pal, N. L. 1666, 2654
 Palanichamy, S. 3309
 Palavesam, A. 3071
 Palestrini, C. 2415
 Paling, R. W. 2094
 Palmer, A. 2274
 Palmer, C. A. 408
 Palmer, C. J. 1395, 2286
 Palmer, M. J. 476
 Palmer, S. R. 841
 Pan, J. Y. 440
 Pan, S. X. 2066
 Pan American Health Organ-
 ization 1634
 Pan-Hou, H. 2823
 Panasenko, N. M. 211
 Panda, D. N. 195
 Panda, M. R. 195
 Pandey, V. S. 2309, 2419
 Pang, C. J. 1453
 Pang, L. W. 2574
 Pangui, L. J. 2105, 2246
 Panjaitan, W. 667
 Panomsinth, S. 1535
 Panova, I. V. 172
 Pant, B. P. 3012
 Panter, C. 2957
 Panthusiri, L. 928
 Panzani, R. C. 1511
 Papp, L. 956
 Pappas, C. D. 1628
 Pappas, L. G. 1628, 2953
 Papone, P. A. 3222
 Parashar, B. D. 3012
 Parasitology Today 2656
 Paredes Casillas, P. 2014
 Paredes Espinoza, M. 2014
 Parish, L. C. 364
 Park, M. H. 1991
 Parkin, W. E. 2776
 Parks, L. 375
 Parman, A. O. 983
 Parolin, M. 3211
 Parra, M. S. 2113
 Parra, S. Muñoz 596-597
 Parra G., D. 328
 Parry, J. 1852
 Parsons, R. E. 2664
 Partiaoglou, N. Baudry- 1993
 Partoutomo, S. 543
 Paru, R. 659
 Parveen, T. 445
 Parveen, Z. 1962
 Parvez, S. D. 1090
 Pashley, D. N. 2631
 Pashley, D. P. 2631
 Paskowitz, S. 2336
 Pasteur, G. 1356
 Pasteur, N. 684, 1356, 2550,
 2601, 2648
 Pastore, A. 1186
 Pasyukov, V. V. 231
 Patel, N. Y. 265
 Patnaik, S. 1639
 Patrick, A. 1184
 Patrick, J. M., Jr. 2852
 Patterson, D. 1153
 Patterson, R. 2155
 Patterson, R. S. 6, 116, 593,
 1058-1059, 1314, 1564,
 1571, 1606, 2926
 Patwardhan, S. A. 1528
 Pau, R. N. 1061
 Paul, R. 1948
 Paul, S. M. 3107
 Pauli, G. 3196
 Paulian, R. 2166
 Paulson, G. S. 2342
 Paulson, S. L. 2549
 Pauron, D. 3026
 Pavis, C. 2011
 Pavlichenko, V. I. 704
 Pavri, K. M. 908, 1026
 Pawłowski, K. 1884
 Pawson, B. M. 1181, 3103
 Payne, C. C. 3282
 Payne, G. T. 2850
 Pchelkin, A. P. 760
 Pearce, A. M. 393
 Pearson, C. D. 2540
 Pechter, E. A. 2134
 Pechuman, L. L. 1731
 Peck, K. 2653
 Pedersen, N. S. 2829
 Pedroso, E. 2820
 Pe'er, J. 2009
 Pegoraro, R. A. 2679
 Pogram, R. G. 993, 1239,
 2767
 Peichl, L. 861
 Peled, N. 1441
 Pelissou, V. 975
 Peluffo, R. O. 2533
 Pemberton, R. W. 1601
 Pená, A. Estrada- 516
 Penaia, L. 2342
 Pener, H. 662
 Peng, X. M. 657
 Peng, Y. F. 1097
 Penzlin, H. 1996, 2512-2513
 Pereira, C. A. B. 1044
 Pereira, J. F. 1938
 Pereira, J. P. 923
 Pereira, M. de C. 521
 Perez, A. 1248
 Pérez, J. Ramírez 930
 Pérez, T. M. 1483, 3195
 Pérez Jiménez, J. 13
 Perfect, T. J. 1380
 Perich, M. J. 2603
 Peris, S. V. 2393
 Perkins, I. D. 1728
 Perkins, P. V. 1688, 2343,
 2669
 Perlman, D. C. 1840
 Pernin, M. O. 8
 Perriere, F. Goudey- 1324
 Perry, R. I. 1498
 Peters, C. J. 562
 Petersein, G. Thomas- 3338
 Petersen, J. J. 1173, 1181,
 3103
 Peterson, B. V. 264, 2141
 Peterson, N. E. 88
 Peterson, R. D., II 3030
 Petit, G. 2195, 2449
 Petitjean, A. M. 563, 1030
 Petri, W. A., Jr. 3138
 Petrova, N. S. 1247
 Petrova, S. V. 799
 Petrova-Nikitina, A. D. 810
 Petrysak, A. 486
 Petzel, D. H. 2959
 Peyramond, D. 310
 Peyton, D. H. 1407
 Pfaffenberger, G. S. 585, 2023
 Pfannenstiel, M. A. 3265
 Pfeifer, E. G. 2795
 Pfister, K. 3351
 Pfuntner, A. R. 2617
 Phadnis, A. P. 1528
 Pham Van Lap 633
 Phanthumachinda, B. 677
 Philippe, B. 3241
 Philippon, B. 2373
 Phillips, A. 264
 Phillips, J. S. 1201
 Phillips, P. H. 1472
 Phillips, R. S. 2540
 Phillips, S. A., Jr. 1425, 1778
 Phipps, G. L. 865
 Phira, J. G. 2030
 Phoon, W. O. 2486
 Phuc Nguyen Dinh 1665
 Piao, X. G. 3179
 Pichon, J. 2815
 Pichon, Y. 398
 Pickard, R. 1013
 Pickens, L. G. 1330, 3041
 Piek, T. 1429-1431, 1433,
 1436, 1444, 1536
 Piera, F. Martín 2412
 Pierdominicci, E. 2230
 Piergili Fioretti, D. 466
 Piesman, J. 317, 777, 1826,
 3163
 Piessens, W. F. 2026, 2657
 Pietra, P. 960, 2140, 3064
 Pietruszka, R. D. 1296
 Pillai, P. K. G. K. 70, 426
 Pimm, S. L. 390
 Pinger, R. R. 1621
 Pinhão, R. C. 1139
 Pinheiro, F. P. 1632, 1637,
 1671
 Pinhas, J. L. 2941
 Pinnavaia, S. M. 1268
 Pinter, L. 198, 1885
 Pinto, L. 1567, 1816
 Pipano, E. 1842, 1847
 Pipano, E. M. 3164
 Pisano, J. J. 3097
 Pistrang, L. A. 2991
 Pittaway, A. R. 218
 Piulachs, M. D. 1060, 1577
 Plaia, G. R. 1963
 Plapp, F. W., Jr. 2740-2741
 Platts-Mills, T. A. E. 334,
 337, 547, 807, 845, 1250,
 1252, 2217, 2219, 2804-
 2805, 3185, 3190
 Platzer, E. G. 1612, 1929
 Pletzen, R. van 2037, 2039
 Plozza, T. M. 546
 Poglayen, G. 2440
 Pöhl, H. 3333
 Poinar, G. O., Jr. 1676
 Poirier, D. G. 2995
 Poirier, S. J. 1656
 Poland, J. D. 560, 918
 Polis, G. A. 3216
 Politzar, H. 461-462
 Polke, G. 1911
 Pollard, E. 1984
 Pollitt, C. C. 2034
 Pollock, B. R. 2660
 Pollock, T. J. 1523, 3264
 Pomonis, J. G. 2709
 Pongs, O. 2718
 Ponnudurai, T. 2656, 2968,
 2978
 Pont, A. 154
 Pont, A. C. 959
 Pont, F. le 81, 90, 1682
 Pontier, J. 8
 Poon-King, P. 1184
 Poon-King, T. 1879
 Popham, T. W. 795
 Porcheron, P. 551
 Porshnyakov, G. A. Mazokhin-
 887
 Porter, C. H. 664, 702, 1690,
 1705
 Porter, S. D. 2745, 3099
 Portier, H. 1820
 Possani, L. D. 834, 1023,
 1893, 3220, 3225
 Possee, R. D. 2255
 Post, R. J. 1114, 2498
 Potgieter, F. T. 2422
 Potgieter, P. D. 2481
 Potter, C. 2844
 Potter, R. W. 5
 Pound, J. M. 791
 Pouplard, L. 1887
 Pouplard, M. D. 1887
 Povazhnyaya, T. N. 620
 Pow, I. 2421
 Powe, L. A. 186
 Prabhaker, N. 2601
 Prabhata, A. 3313
 Pradeepkumar, N. 915
 Pradinaud, R. 260, 1779
 Prakash, S. 572
 Prasad, A. 813
 Prasad, G. 2667
 Prasad, L. S. N. 2675
 Prasad, R. 1639
 Prasad, R. S. 2, 614, 1052,
 1369
 Prasad, V. 2228
 Prasanna, Y. 908
 Preac-Mursic, V. 794
 Pree, D. J. 2391
 Prefontaine, G. 1037
 Preisler, H. K. 2905
 Preisová, J. 2165
 Premaratna, U. N. 1641
 Preston, J. M. 3208
 Preutu, M. 2729
 Price, N. R. 1062, 2315
 Price, R. D. 14, 1580-1583,
 2931
 Price, R. E. 2697
 Pridantseva, E. A. 629
 Prijs, H. J. 1729
 Principato, M. 466, 541, 1386,
 1388, 2809
 Pritchard, P. H. 1287
 Procell, P. M. 1091
 Procunier, W. S. 1702
 Prokeš, B. 2165
 Prokhorova, I. N. 626
 Prouty, S. M. 2329
 Prozesky, O. W. 528
 Pruitt, J. H. 1387
 Pryor, N. W. 1403
 Przybilla, B. 2156
 Pterova, Yu. I. 799
 Publicover, S. J. 2497
 Puccini, V. 467-468, 1721
 Puckett, J. M. 1345-1346
 Pudney, M. 2525
 Pugh, P. J. A. 1484
 Pugh, R. E. 2328
 Pulman, D. A. 724
 Punda, V. 1109

- Purshottam, T. 1530
 Purushotham, K. R. 2865
 Pushkarev, A. S. 3009
 Putnam, A. R. 2263
 Puyvelde, L. van 2283
 Qadri, S. M. H. 2699
 Qian, C. 2354
 Qian, H. L. 55
 Qian, X. H. 1339
 Qiú, J. B. 56
 Quang, N. N. 3290
 Quast, U. 3227
 Queiroz, S. M. P. de 2705
 Quentin, J. C. 2406
 Quercia, B. 3212
 Quesada, R. 2385
 Quinlan, M. C. 2748
 Quiñones, R. 3145
 Quintero, M. T. 346
 Quiot, J. M. 497
 Quiroz, M. Gutiérrez 1590
 Quoix, E. 3196
 Raadsma, H. W. 2703
 Raadt, P. de 1136
 Rabin, E. B. 1108
 Rabson, A. R. 160, 2750, 3093
 Raccaud, J. Schoeller- 495
 Raccurt, C. P. 1611
 Racewicz, M. 395
 Racey, P. A. 3297
 Rachid, M. S. B. 2987
 Rademaker, P. M. 1513
 Räder, K. 307
 Radić, Z. 216
 Radke, M. G. 2597
 Radulovic, L. L. 2859
 Radvanyi, F. 1987
 Radwan, W. A. M. 2021
 Radwan, Y. A. 2439
 Rády, M. 1507
 Raether, W. 1973
 Rafferty, D. E. 2208
 Raffi, A. 3242
 Raffo, A. 345
 Ragavan, K. 152
 Raghavan, V. V. 2534
 Raghuvendra, K. 2543
 Rahman, A. 192
 Rahman, A. M. Abdel- 1354
 Rahman, M. F. 3323
 Rahman, S. Abdul 998, 1198,
 1468, 2192
 Rahman, S. J. 69
 Rai, K. S. 640, 685, 927,
 2051, 2587, 2631
 Raikhal, A. S. 1089, 2356
 Raisbeck, M. F. 1954
 Raja, E. E. 1455, 2417
 Rajamohanan, K. 493
 Rajavel, A. R. 418, 912
 Rajendran, R. 70
 Rajeswari, Y. B. 1198, 1468,
 2192
 Rajić, I. 1849
 Rajini, P. S. 3318-3319
 Rajput, K. B. 235-236, 2070
 Ralph, W. 1107, 2500
 Ramaiah, K. D. 912
 Ramalingam, K. 2487
 Ramana Rao, K. V. 1956
 Ramasamy, M. S. 902
 Ramasamy, R. 902
 Ramée, M. P. 3233
 Ramel, C. 3051-3052
 Ramiah, K. D. 418
 Ramig, R. F. 1669
 Ramírez, A. 930
 Ramírez, A. N. 1023
 Ramírez Pérez, J. 930, 2676
 Ramírez, R., A. 942
 Ramis, D. Ramos 2360
 Ramlah Hamid 152
 Ramos Ramis, D. 2360
 Ramotsa, J. 2386
 Ramsdale, C. D. 2876
 Ranawaka, M. B. 2974
 Randall, J. B. 592
 Randolph, C. C. 2153, 2749
 Rangel, E. F. 93, 95, 2363,
 2671
 Rankin, R. 1839
 Rankin, S. M. 2925
 Rankine, S. M. 1159
 Rao, A. S. 1045, 2637
 Rao, C. K. 2030
 Rao, J. A. 419
 Rao, K. H. 1497
 Rao, K. M. 572, 3012
 Rao, K. N. P. 2170, 2790
 Rao, K. V. R. 863, 1956
 Rao, P. N. 927
 Rao, S. R. V. 1357
 Rao, S. S. 572
 Rao, V. V. S. N. 1533, 1952
 Rapoport, G. 3262, 3269
 Rashatwar, S. 2717
 Raske, A. G. 2275
 Rasmussen, J. B. 1162, 1746
 Rasmussen, J. E. 1586
 Rasmussen, M. O. 429
 Rasnitsyn, S. P. 2539
 Rassemont, R. 3197
 Rastegaev, Yu. M. 270
 Rastogi, M. 1666, 2654
 Rasulova, A. 324
 Rathburn, C. B., Jr. 654,
 1344-1346
 Rathor, H. R. 71
 Rathore, H. S. 380
 Rau, M. E. 1084, 2561, 2618,
 2969
 Rauch, A. M. 1506
 Rauch, J. 1322
 Rautalahti, M. 348, 358
 Ravallac, M. 669
 Ravaonjanahary, C. 926
 Ravikumar, G. 858
 Rawat, R. 2451
 Rawle, F. C. 1252
 Rawlins, M. D. 1955
 Rawlins, S. C. 79, 2185
 Ray, S. 2650
 Raybould, J. N. 97, 1702,
 2087
 Raymond, H. L. 142, 2117,
 2121
 Raymond, M. 684, 1356, 2648
 Raynor, M. W. 1053
 Razdan, R. K. 2077, 2543
 Razig, A. A./ 534
 Razzouk, H. 3187
 Read, P. A. 2145
 Readio, J. 40, 2653
 Ready, P. D. 1375
 Reagan, B. M. 1283
 Reaves, L. 1898
 Rebello, M. A. 2072
 Rebibou, J. M. 1820
 Rechav, Y. 179, 535, 990,
 1197
 Reddy, A. 565
 Reddy, A. R. 1576
 Reddy, M. S. 863
 Reddy, P. M. 1276-1278
 Reddy, Y. S. 2295
 Redfern, R. E. 3112
 Redmond, B. L. 1011
 Rec, H. I. 1365
 Reed, C. E. 1925
 Reed, C. M. 918
 Reed, D. E. 1367
 Reed, M. A. 1187
 Rees, R. 831
 Rees, R. S. 1898, 3223
 Reeve, G. R. 918
 Reeve, H. K. 2163
 Refai, A. H. El- 269, 2245
 Regan, A. M. 2227
 Réháček, J. 1507
 Rehavi, M. 3107
 Rehimy, H. H. El- 2124
 Reichardt, W. 3077
 Reichhart, J. M. 124, 1159
 Reid, G. D. F. 2098
 Reid, H. F. M. 1879
 Reid, H. W. 2421
 Reid, W. 1300
 Reierson, D. A. 1057, 1572,
 2943
 Reiner, E. 216
 Reinhard, P. 1322
 Reinhold, R. 573, 1271
 Reisen, W. K. 445, 1616,
 2578, 2617, 2621
 Reisman, R. E. 755, 984,
 1176, 1769, 2153, 2466,
 2749, 3100
 Reissmann, S. 2513
 Reiter, P. 2583, 2604
 Reitz, R. C. 2709
 Rejesus, B. Morallo- 2739
 Rékási, J. 402
 Rekow, M. A. 825, 2816
 Rembold, H. 1353
 Remky, H. 1978
 Remsen, C. C. 3036-3037
 Remy, J. M. R. Saint- 1019-
 1020
 Ren, G. X. 1340
 Renapurkar, D. M. 2300
 Renaud, P. 2681
 Renobales, M. de 2709
 Rensburg, L. van 2422
 Renz, A. 1115
 Renzi, A. 1110
 Reshetnikov, I. N. 175
 Restani, R. 3211
 Restrepo, M. A. 293
 Retnakaran, A. 2275
 Rettie, A. E. 1955
 Reuben, R. 70, 673, 680, 1081
 Reumer, J. W. F. 1013
 Revsbech, P. 2220
 Rey, F. 433
 Reyers, F. 2424
 Reyes-Villanueva, F. 2629
 Reynolds, G. M. 5
 Reynolds, S. E. 2840
 Reynolds, J. A. 2478
 Reznik, E. P. 257
 Riasol Boixart, J. M. 2744
 Ribbeck, R. 487, 1750
 Ribeiro, A. F. 297, 1759
 Ribeiro, J. M. C. 936, 1826,
 2948, 3140
 Ribeiro, L. P. 405
 Ribeiro, L. R. 1044
 Ribier, J. 3262, 3269
 Ricco-Hesse, R. 1635
 Richard, A. 1610
 Richardson, L. K. 311
 Richie, J. P., Jr. 920, 2639
 Richman, P. G. 2408
 Richter, K. 7, 2515
 Richter, M. R. 3116
 Richter, W. 3116
 Ridel, P. R. 2369
 Riding, G. A. 1457
 Ridley, A. R. 2839
 Ridsdill-Smith, T. J. 476
 Rieb, J. P. 694
 Riebel, O. 2165
 Rietschoten, J. van 2229,
 2820, 3226
 Rifaat, M. M. 1685
 Rightor, J. A. 2630
 Riha, J. 283
 Riley, J. 212
 Rimoldi, O. J. 2533
 Ringer, R. K. 1964
 Rioja, L. Vidal- 2646
 Rios, R. M. 517
 Riou, O. 3241
 Rioux, C. 3233
 Ripouteau, H. 1931
 Rizzo, A. 558
 Ristic, M. 1002
 Ritchie, J. M. 2890
 Ritland, T. G. 3334
 Riverón, R. 1913
 Rivett, K. 2481
 Rivière, F. 2545
 Rivosecchi, L. 871
 Robbins, P. J. 1285
 Robbins, R. G. 1792
 Robello, M. 2230
 Robert, P. H. 496, 669
 Robert, V. 2971
 Roberts, D. R. 1632, 1637,
 1671, 2597
 Roberts, D. W. 411
 Roberts, L. 1184
 Robin, B. 1720
 Robin, Y. 781
 Robinson, A. S. 632-633
 Robinson, R. 3320
 Robinson, S. C. 3320
 Robinson, W. 2845
 Robinson, W. H. 394, 874
 Rocha, J. M. da 187
 Rocha, M. B. da 1460
 Rocha, U. F. 315-316, 2773-
 2775
 Rochat, H. 361, 1258, 1261,
 1494-1495, 2229, 2238,
 2814-2815, 3226
 Rocheleau, T. A. 3256
 Rocher-Chambonnet, C. 295
 Rockett, C. L. 44
 Rode, G. S. 1893
 Rodjuk, G. N. 1905
 Rodrigues, D. S. 549
 Rodriguez, A. 1500
 Rodriguez, C. de 2370
 Rodriguez, F. 2384
 Rodriguez, R. 2113
 Rodriguez, R. Benítez 13, 596-
 597
 Rodriguez del Rosal, E. 2770
 Rodriguez-Tovar, M. L. 2629
 Roe, B. A. 2270
 Roettgen, I. 2735
 Roger, M. 3248
 Rogers, D. J. 2069
 Rogers, J. T. 2603
 Rognes, K. 1394
 Rojas, J. C. 2526
 Rojas de Arias, A. 2522
 Rollin, P. E. 368
 Rolseth, B. M. 1384
 Romanca, G. 1161
 Romano, A. 2318
 Romano, H. 2668
 Romans, P. 251
 Romasheva, T. P. 607
 Romero G., J. 228
 Romero-Rodriguez, J. 3165
 Romoser, W. S. 2035, 2546,
 2596
 Root, D. S. 1467
 Ropac, D. 1199
 Rosa, A. de C. O. C. 2362
 Rosa, A. P. A. Travassos da
 74, 213, 559
 Rosa, C. L. de la 2985
 Rosa, J. F. S. Travassos da
 213
 Rosales, R. 2385
 Rościszewska, M. 486
 Rose, D. L. 847, 853, 2258,
 2269
 Roseland, C. R. 2119
 Rosemary, D. T. 3014
 Rosen, L. 370, 434, 683, 846,
 2036
 Rosen, S. 22, 1794, 2174,
 3207
 Rosen, T. 226
 Rosenberg, A. 383
 Rosenberg, P. 1924
 Rosenstein, E. D. 817
 Rosenzweig, E. 1441, 2746
 Rosier, R. P. 2228
 Rospars, J. P. 2302
 Ross, E. M. 3108
 Ross, K. G. 299, 1449
 Ross, M. H. 10, 1573, 2921
 Ross, R. 250, 2949
 Rossi, C. A. 1618
 Rossignol, P. A. 2948
 Rossiter, P. B. 1980
 Rostinská, J. 538
 Rotaru, O. 1848
 Roth, L. M. 1070
 Roughgarden, J. 1295
 Rouille, D. 3008
 Rousvoal, D. 518
 Routier, R. G. 2035
 Roux, J. G. le 1134
 Rowan, K. M. 1668
 Rowe, R. J. 837, 1985
 Rowland, M. 246
 Rowley, W. A. 233, 1620,
 1654, 2613

- Rowntree, S. 1250
 Rowton, E. D. 2627
 Roy, A. 676
 Roy, S. 2
 Roy, S. M. 2030
 Royer, W. D. 391
 Rozenfeld, B. D. 1196
 Rozynek, P. 1423
 Rubacha, A. 3044
 Ruban, E. M. 627
 Rubec, L. A. 1899
 Rubina, M. 2174
 Rubink, W. L. 477
 Rudin, W. 1106, 2996
 Rudzinska, M. A. 3163
 Rueda, L. M. 1782
 Ruff, J. P. 117, 129, 1344
 Ruhm, M. E. 1709
 Ruiz, T. 3145
 Rukhkyan, M. Ya. 764
 Ruknudin, A. 2534
 Rumyantseva, N. P. 1919
 Rusconi, A. 1719
 Russell, F. E. 574
 Russell, H. 532
 Russell, R. C. 49, 638, 689,
 1088
 Russo, R. 2069
 Rust, D. J. 3203
 Rust, M. K. 878, 1057, 1317,
 1572, 2943
 Ruzler, P. L. 747
 Rutherford, T. A. 2111
 Rutledge, L. C. 773, 786,
 2499, 2609
 Rutz, D. A. 1782, 3024, 3062
 Ruyter van Steveninck, R. de
 3070
 Ryan, L. 91-92, 451, 2368
 Ryan, R. E. 983
 Rysselaere, M. 1978
 Rzany, B. 1768
 Saadi, E. L. Wooten- 1246
 Saadi, E. Wooten- 321
 Sabatinnelli, G. 1110
 Sabattini, M. S. 1650
 Sabesan, S. 915
 Sabrosky, C. W. 1048
 Sabwa, D. M. 2044
 Saccà, G. 575
 Sacchi, L. 1401
 Sackett, S. R. 1625, 2552
 Sadanandane, C. 916
 Sadykov, A. S. 1025
 Sadzikowski, A. 746
 Saeki, N. 1015
 Saeki, T. 1766
 Sáez, C. 2772
 Safadi, M. M. Al- 2223
 Safarova, V. S. 1025
 Saffarini, D. A. 2404, 3019,
 3048
 Safranova, O. I. 1196
 Sage, B. A. 1748
 Sage, M. V. 2270
 Saha, G. R. 2436
 Sahúquillo Herráiz, C. 2359-
 2360
 Said, A. El- 1797
 Said, S. El- 254, 562, 655,
 1627, 1683-1685
 Said, S. M. El- 2055
 Saiki, M. K. 1041
 Saillard, C. 846
 Saint Georges-Gridelet, D. de
 1882, 2800
 St. Leger, R. J. 1525
 Saint-Remy, J. M. R. 1019-
 1020
 Saito, K. 100, 705, 2090
 Saito, T. 2203
 Saito, Y. 3119
 Sáiz, J. C. 351
 Sakaguchi, B. 2548
 Sakaguchi, M. 2802
 Sakai, H. 1930
 Sakai, R. K. 251, 1090, 2336
 Sakae, S. 2280
 Sakr, S. A. 1442
 Saksena, P. N. 3239
 Sakuda, S. 1968
- Salazar Schettino, P. M. 1588,
 1590
 Saleh, M. S. 2045-2048
 Salem, M. H. 3322
 Salgo, M. P. 1840
 Salih, N. E. 272
 Salin, M. L. 2708
 Saliou, P. 2335
 Salit, A. M. 272, 2909
 Sallam, O. A. 774
 Salte, R. 1902
 Saluzzo, J. F. 781
 Salvadori, D. M. F. 1044
 Samal, S. K. 1669
 Sampath, V. 2357
 Samarantay, S. 2416
 Samarawickrema, W. A. 2028,
 2342, 2972
 Samia Abdel Hamid 2439
 Samish, M. 1842, 1847, 3164
 Sampla, M. T. Abu- 1850,
 1871
 Samsar, E. 720
 Samson, R. A. 3228
 Samuel, J. J. 1534
 Samuel, M. 2448
 Samuels, R. I. 1031, 2840
 Samuelson, O. B. 553
 Sánchez, C. 516
 Sanchez, F. J. 2316
 Sánchez, M. R. García 2359
 Sanchez, R. 1071
 Sánchez, R. M. 228
 Sancho, E. 2384-2385
 Sandoski, C. A. 2619
 Sandulescu, S. 2326
 Sangwan, A. K. 2416
 Sani, K. M. 3104
 Sanitato, J. J. 2239
 Sannier, C. 1610
 Santa Cruz, A. M. 1990
 Santana, F. J. 789
 Santiago-Blay, J. A. 1894,
 1897
 Santos, O. L. 315
 Santos Dias, J. A. Travassos
 1128
 Sarangapani, T. D. 70
 Sarashina, T. 2433
 Saravia, N. G. 2013
 Sarov, B. 2518
 Sarret, Y. 1820
 Sartin, E. A. 2381
 Sasa, M. 722
 Satija, K. C. 3214
 Sato, H. 261
 Sato, M. 397
 Satsmadjis, J. 1945
 Sattelle, D. B. 221, 1997,
 2912, 3295
 Sauer, J. R. 323, 787
 Sauerman, D. M., Jr. 650
 Saul, A. 392
 Saul, A. J. 441
 Saul, S. J. 3058
 Saume, F. 1655
 Saunders, D. S. 581-583, 950,
 2712
 Saunders, J. R. 2197
 Sauvain, M. J. 1916
 Saville, D. L. 579
 Savin, Ž. 1849
 Savir, D. 2835
 Savliwala, M. N. 755
 Sawaf, B. El- 703
 Sawaf, B. M. El- 1683-1685,
 2570
 Sawicki, R. M. 724, 2881
 Sawyer, L. A. 1002
 Saxena, P. K. 388
 Saxena, S. C. 68
 Saxon, A. 600, 2523-2524
 Sazonova, O. N. 32
 Scadding, G. K. 801
 Scaramella, D. 313-314
 Schaalje, G. B. 1696
 Schaefer, C. H. 2964
 Schäfer-Nolte, C. 331
 Schal, C. 1315
 Schamp, N. 2283
 Schattenberg, H. J., III 2854
- Schatz, J. R. 823
 Schatzmayr, H. G. 74
 Schaub, G. A. 1592, 1594,
 1598
 Scheidt, V. J. 222, 2441
 Schein, E. 3158
 Schell, W. 525
 Schelling, G. 632
 Schemmer, K. R. 230, 2330
 Schenk, M. A. M. 511
 Scherer, E. 860
 Scherer, H. 2206
 Schettino, P. M. Salazar 1590
 Schicha, E. 2226
 Schiefer, H. G. 1507
 Schierz, G. 794
 Schillhorn van Veen, T. W.
 2202, 2456
 Schilstra, A. J. 2137
 Schirmacher, W. 805
 Schlatter, C. 3055
 Schlecht, P. 2128
 Schlein, Y. 259, 1681, 2668
 Schlotthauer, J. 2329
 Schmeda Hirschmann, G.
 2522
 Schmeer, N. 1507
 Schmid, H. 968
 Schmidli, J. 842
 Schmidt, C. D. 120, 3016,
 3031
 Schmidt, E. R. 1423, 3017
 Schmidt, H. 1419
 Schmidt, J. O. 756, 1427-
 1428, 1437-1438
 Schmidt, U. 1761
 Schmidtmann, E. T. 749
 Schmitt, S. M. 2202
 Schmitz, G. 595
 Schneeberger, S. 1450
 Schneider, B. N. 2504
 Schneider, F. 290
 Schneider, M. 1106
 Schnell, S. 2402
 Schnepp, H. E. 2267-2268,
 3268
 Schnetter, W. 2614, 2644
 Schnitzerling, H. J. 1465
 Schober, G. 805, 1009
 Schoeller-Raccaud, J. 495
 Schoenly, K. 1300
 Schofield, C. J. 2521
 Schofield, L. N. 2197
 Schofield, O. 3184
 Scholl, P. J. 3005-3006
 Scholtz, C. H. 2168
 Schomaker, C. H. 1744
 Schooley, D. A. 820, 2897,
 3330
 Schramm, B. A. 2535
 Schreck, C. E. 1798
 Schreiber, E. T. 121, 1173
 Schremmer, F. 1158
 Schreuder, R. H. 2848
 Schriefer, M. E. 1829
 Schröder, H. 2158
 Schröder, P. 98, 1111
 Schubert, K. C. 301, 2463
 Schulten, G. G. M. 2888
 Schulze, T. L. 2776
 Schuman, S. H. 3299
 Schumann, H. 487
 Schwab, D. 2194
 Schwab, L. 1264
 Schwalm, F. E. 2875
 Schwartz, B. 1249, 3252
 Schwartz, H. J. 2409
 Schwenker, O. 353
 Schwinghammer, K. 749
 Schwinghammer, K. A. 1387
 Scopes, G. A. 3024
 Scott, J. 3172
 Scott, J. G. 2286, 3062
 Scott, J. S. 1498
 Scott, M. P. 156
 Scott, R. McN. 562
 Scott, T. W. 2593
 Scrimgeour, E. M. 371
 Seagroatt, V. 2217
 Seaman, J. T. 3325
- Seawright, J. A. 73, 412,
 2564, 2952
 Séchan, Y. 2545
 Secours, V. 3317
 Seeler, B. J. 1748
 Seeley, D. C. 2336
 Segal, E. 2244
 Seidman, L. A. 3036-3037
 Seifert, G. W. 281
 Seify, M. A. O. El- 1007
 Sekar, V. 1934, 2256, 2259
 Sekeyová, M. 1205
 Sekhar, V. 1956
 Selander, R. B. 2169, 2756
 Self, L. S. 2827
 Selinger, L. B. 3278
 Semensi, V. 67
 Sen, A. B. 1666
 Sen, K. 1930
 Sen, M. M. 192
 Senda, S. 2164
 Sengbusch, H. G. 1854
 Sengupta, T. 215
 Sens, E. 3287
 Senthamilshselvan, M. 3071
 Sergeeva, G. K. 2743
 Service, M. W. 577
 Sessa, P. A. 2320
 Seureau, C. 2406, 2694
 Seurinck, J. 1270, 2260
 Sevcik, C. 1301
 Seyan, H. S. 2725
 Seye, M. 519
 Seymour, C. 2514
 Shaarawi, F. A. I. 2021
 Shachter, S. P. 1861
 Shadduck, J. A. 217, 1267
 Shafi, S. 1561
 Shahid, M. A. 1651
 Shaikh, A. A. 2573
 Shaikh, B. H. 1026
 Shaker, N. 2050, 3322
 Shankar, J. S. 1279
 Shanubhogue, A. 1440
 Shao, S. C. 440
 Shapiro, S. Z. 1824
 Sharipov, M. K. 758
 Sharma, A. K. 1279
 Sharma, G. K. 2030, 2543
 Sharma, K. M. L. 997
 Sharma, M. C. 2430
 Sharma, N. N. 783
 Sharma, R. C. 674
 Sharma, R. N. 1528
 Sharma, S. 3239
 Sharma, S. R. 380
 Sharma, V. P. 672, 674, 676,
 1357, 2064, 2077, 2543-
 2544, 2961
 Sharrad, R. D. 3152
 Shashindran, C. H. 15
 Shashkova, N. V. 698
 Shatalova, L. A. 621
 Shatova, S. M. 1691
 Shatrov, A. B. 796, 3174
 Shatry, A. 2765
 Shaughnessy, M. A. 2155
 Shaw, J. J. 91-92, 451, 2368,
 2988
 Shaw, S. R. 3134
 Shazo, R. D. de 1187
 Shcherbakov, S. V. 761
 Shehata, K. K. 2084
 Shehata, M. G. 2989
 Shelby, K. S. 323
 Shellabarger, C. 410, 851,
 1662
 Shelley, A. J. 1702
 Shemanchuk, J. A. 458
 Shen, S. B. 639
 Shepherd, A. J. 2251
 Sheppard, D. C. 131, 134,
 155, 3040
 Sherertz, P. C. 881
 Sherif, A. 1042
 Sherlock, I. A. 1558
 Sherman, R. A. 1602, 2134
 Sherman, W. 383
 Sheumack, D. D. 1891, 2237
 Shevtsov, V. V. 1515
 Shi, H. H. 54

- Shi, W. Q. 436
 Shi, Z. J. 54
 Shiba, T. 741
 Shibusaki, M. 802
 Shibuya, S. 3027
 Shibuya, T. 158, 722
 Shiels, I. 1451
 Shih, C. M. 2980
 Shimada, E. 859
 Shimada, K. 2203
 Shimada, M. 2994
 Shimada, S. 666
 Shimahara, T. 398
 Shimazaki, K. 2821, 2823
 Shimshony, A. 2835
 Shin, H. J. 1365
 Shinjo, G. 1273
 Shipolini, R. A. 1435
 Shipp, J. L. 457, 459-460,
 1696, 1698
 Shiraishi, A. 1413, 2710-2711
 Shiraishi, S. 1202, 1823
 Shirasu, Y. 1527
 Shisler, J. K. 2776
 Shivraj 449
 Shikap, V. 1842, 3164
 Shmakov, D. V. 759
 Shono, T. 291
 Shorrocks, B. 1549
 Short, N. J. 1206, 1219, 1221
 Shoukry, A. 608, 2055
 Shouma, M. I. M. 2025
 Shoura, S. M. El- 994, 1462-
 1463, 1827-1828, 1833,
 2182, 2189, 2779, 3144,
 3154
 Shrestha, S. L. 699
 Shukur, M. Al- 399
 Shull, L. R. 2861
 Shumikhin, V. V. 625, 628
 Shustrova, M. V. 2793
 Shwe, T. 1420
 Shyamasundari, K. 1497
 Sicard, N. A. E. von 2497
 Siddikov, B. Kh. 2405
 Siddiqui, B. S. 1272
 Siddiqui, M. K. J. 3323
 Siddiqui, S. 1272
 Sidor, V. 544
 Sidrak, W. 1799
 Siegel, J. P. 217, 1267
 Siekevitz, P. 833
 Siemens, D. F., Jr. 372
 Sigler, L. 2957
 Sikes, R. K. 1002
 Silber, L. 3115
 Silva, A. R. da 2012
 Silva, D. M. R. de 2974
 Silva, J. E. da 87, 94
 Silva, M. H. 2861
 Silva, S. 2106
 Silva, T. F. da 75
 Silva, Y. N. Y. de 241
 Silveira, J. N. da 923
 Silvestri, R. 186
 Silvestri G., R. 2771
 Simitzis-Le Flohic, A. M. 665
 Simões, A. Landerset 325
 Simons, J. Clawson- 510
 Simpson, R. J. 546, 1860
 Sims, T. A. 2933
 Simwanza, F. J. 2691
 Sinclair, A. N. 1872, 3213
 Sinda, D. 102, 463, 1715
 Sinègre, G. 1356
 Singer, M. C. 1554
 Singer, S. 2265, 3257
 Singh, B. 1596
 Singh, B. B. 3002
 Singh, B. K. 1747
 Singh, D. 1758
 Singh, G. 2935
 Singh, G. J. P. 854, 1038
 Singh, K. K. 813
 Singh, N. 432
 Singh, P. N. 813
 Singh, R. 77
 Singh, R. N. 1747
 Singh, R. P. 679
 Singh, S. 386
 Singh, S. B. 1747
 Singh, T. K. 235-236, 2070
 Singh, T. P. 386-387
 Sinha, R. P. 2
 Sinha, S. R. P. 784
 Sinoussi, F. Barré- 433, 3073
 Sinsky, R. J. 317
 Sipitsyna, N. E. 1247
 Sirotkina, V. P. 2792
 Sisjnjova, M. D. 1389
 Sissom, W. D. 2233
 Sitges, M. 3220
 Situmeang, R. 2333
 Sivaiah, K. 1200
 Sivasubramanian, N. 1032
 Sivinski, J. 1396
 Skaer, H. le B. 2306, 2325
 Skarvil, F. 2751
 Skelly, P. J. 143, 3065
 Skinner, J. C. 2029
 Skoda, S. R. 146, 948
 Skogh, M. 191
 Skov, P. Stahl 335, 1474, 2221
 Skrynik, E. M. 627
 Slaff, M. 2607
 Slangen, J. L. 2864
 Slawin, A. M. Z. 3332
 Sletten, K. 359
 Sloas, D. D. 3300
 Soley, B. D. 1563, 2759, 2928
 Sloof, R. 2608
 Sluiters, J. F. 2958
 Smail, A. J. 1703, 2376
 Smirnov, I. Ya. 1196
 Smirnova, O. I. 1811
 Smirnova, S. N. 589
 Smirnova, V. A. 32
 Smith, A. 1265
 Smith, D. F. 1375
 Smith, G. C. 560, 1599, 2951
 Smith, J. N. 1675
 Smith, M. R. 1787
 Smith, P. H. 475, 2738
 Smith, P. J. S. 396
 Smith, S. A. 1986
 Smith, S. M. 118
 Smith, T. 250
 Smith, T. F. 3185
 Smith, T. J. Ridsdill- 476
 Smith Meyer, M. K. P. 188
 Smithuis, L. O. M. J. 1770
 Smucker, R. A. 3316
 Snelling, R. R. 1551
 Snoddy, E. L. 1798
 Snow, K. R. 2571, 2876
 Snow, R. W. 1668
 Snow, W. F. 2096
 Sobek, L. 2513
 Sobel, N. 1949-1950
 Söborg, M. 507
 Sobotka, A. Kagey- 301, 2154,
 2460, 3249
 Sobrier, M. L. 1416
 Sohadri, A. R. 954
 Sohal, R. S. 151
 Sohn, S. R. 2572
 Sokolova, E. I. 621
 Sol, J. 1729
 Solarz, N. D. 1589, 1591
 Solbakken, J. E. 2855
 Soldán, T. 2689
 Sole, G. de 967
 Soler, A. G. 2502
 Soler, M. 1913
 Soler Cruz, M. C. 597
 Soler Cruz, M. D. 13, 596-597
 Soliman, A. K. 562
 Soliman, B. A. 655
 Soliman, S. A. 2021
 Soll, M. D. 2206, 2423
 Solowiej, S. 2380
 Somachari, N. 417
 Soman, R. S. 1335
 Sonawane, Y. S. 1570
 Sone, F. 2028, 2342
 Sonenshine, D. E. 774, 1201,
 1807-1808, 1829, 3157
 Sonenshine, D. S. 2191
 Song, J. Z. 1097
 Song, S. B. 362
 Song, Z. C. 435, 1623
 Song, Z. Z. 1622
 Sorungbe, A. 926, 1265
 Soucasaux, T. 96
 Souček, A. 1260
 Součková, A. 1260
 Soudi, K. A. Al- 882
 Sousa, O. E. 1595
 Southcott, R. V. 1257
 Southgate, B. A. 2635-2636
 Souza, N. A. 93, 95, 2671
 Souza, N. de 2363
 Spain, J. C. 1287
 Spanjer, W. 1433
 Spann, J. W. 3314
 Sparks, B. D. 1043
 Sparks, T. C. 115
 Sparrow, J. C. 579
 Spates, G. E. 2720
 Spaulding, A. G. 2239
 Spears, G. F. S. 2342
 Spence, J. 2491
 Spence, R. P. 1801
 Sperber, J. 226
 Spickett, A. M. 3156
 Spiegel, J. 1602
 Spieksma, F. T. M. 1252,
 1742
 Spielman, A. 430, 777, 792-
 793, 1100, 1798, 1826,
 2026, 2948, 3163
 Spire, B. 433
 Splistlesher, H. 2176
 Splitstoesser, W. E. 1938
 Spooner, R. 1397
 Spratt, D. 1841
 Sprenger, D. 2604
 Srimalrata, N. 1921
 Srinivasan, M. V. 1738
 Srinivasan, S. R. 2787
 Siriram, R. 2271
 Srivastava, L. M. 2856
 Srivastava, N. 2856
 Srivastava, P. K. 2543
 Srivastava, P. S. 784
 Srivastava, R. K. 1530
 Srivastava, S. C. 536, 783, 995
 Staal, G. B. 2872
 Stabelein, J. J. 2410
 Stables, J. N. 1839
 Stachurski, F. 182
 Staddon, B. W. 3104
 Stadtbaeder, S. 1914
 Stafford, K. 2690
 Stafford, K. C., III 713
 Stahl Skov, P. 335, 1474, 2221
 Stamenova, M. B. 1390
 Stan, H. J. 2285
 Standfast, H. A. 1508
 Stanfil, P. S. 2029
 Stankus, R. P. 2508
 Stanley, R. S. 1963
 Stannard, A. A. 1928
 Stanton, B. 207
 Stanyukovich, M. K. 587
 Staples, C. A. 2871
 Stark, P. M. 2620
 Starmühlner, F. 1055
 Starr, C. K. 756, 1428
 Staver, M. J. 3256
 Stay, B. 2925
 Stearns, R. A. 2279
 Steel, C. G. H. 1597, 2527
 Steele, G. M. 2769
 Steen, J. 1350
 Steffan, W. A. 1626
 Stehlík, M. 1303
 Steib, K. 1910, 3237
 Steigmeier, M. E. Kugler-
 3055
 Stein, K. J. 3130
 Steinberg, D. R. 1063
 Steinbrink, H. 489
 Steiner, A. L. 1432
 Steinhuber, R. 794
 Steinkraus, D. C. 962
 Stepanov, V. M. 1520
 Stephenson, G. 2366
 Stephenson, R. R. 1944
 Steringer, I. 1474
 Steurer, F. J. 1690
 Steveninck, R. de Ruyter van
 3070
 Stevens, C. 2573
 Stevens, D. P. 320, 1852
 Stevenson, J. S. 321
 Stevenson, P. 543
 Stewart, G. A. 546, 1860,
 1869, 3175
 Stewart, J. M. 2353
 Stewart, N. P. 1451
 Stiller, D. 2425
 Stinner, R. E. 3034
 Stirchak, E. P. 3328
 Stoffolano, J. G., Jr. 1754,
 1756, 1785, 2732, 2902
 Stojanović, R. 1199
 Stokes, R. W. 2366
 Stokes, T. K. 952
 Stollar, V. 64, 1360
 Stone, B. F. 1452
 Stone, G. A. 3327
 Stone, J. F. 3301
 Storey, D. M. 2027
 Storey, K. B. 389
 Storto, E. lo 539
 Stout, C. D. 3261
 Straka, H. 499
 Stratton, R. 2270
 Strausfeld, N. J. 2725-2726
 Streams, F. A. 896
 Streips, U. N. 375
 Strejková, M. V. 1680
 Strickland, R. K. 2794
 Strohmenger, T. 1889
 Stromberg, B. E. 2329
 Stromberg, P. C. 343-344,
 2697, 2801
 Strong, L. 1531
 Strong, W. B. 1
 Stroup, K. 2511
 Stubblefield, G. T. 2509
 Stupin, V. I. 34
 Stützgen, G. 208
 Su, L. 1342
 Suarez, M. F. 73
 Subbarao, S. K. 672, 1357,
 2064, 2961
 Subbiah, T. V. 2387
 Sucharit, S. 576, 678, 688,
 2556
 Sugawara, K. 2782
 Suggars, A. L. 1487
 Sugumaran, M. 67, 2895,
 3058
 Suguna, S. G. 904
 Sujatha, C. H. 914
 Sukarsih 277
 Sukriket, P. 196
 Sukumar, K. 271
 Sulaiman, A. H. 865
 Sulaiman, S. 954, 1642
 Suleiman, H. 2338
 Sullivan, K. H. 918
 Sullivan, T. J. 2462
 Sumazaki, R. 802
 Summerlin, J. W. 1762, 3105
 Summers, P. L. 1029
 Summers, R. J. 2458
 Sun, C. M. 1175
 Sun, C. X. 108
 Sun, G. H. 1340
 Sun, J. Z. 54
 Sun, Y. C. 61
 Sun, Y. M. 2224
 Sun, Y. Q. 730-731
 Sundaram, A. 1043, 2275
 Sundaram, K. M. S. 1280
 Sundin, D. R. 1092
 Sunose, T. 981
 Suntsova, N. I. 24
 Sur, S. 933
 Sureau, P. 368
 Surendranath, P. 1956
 Surgeon, G. A. 2995
 Sutcliffe, J. F. 1698
 Suteu, E. 1848
 Sutherland, D. J. 2585
 Sutherland, J. A. 599
 Sutherst, R. W. 1190-1192,
 1208, 1216, 1222-1223,
 1227, 1229-1231, 1240,
 1242, 1289, 1802, 3160
 Sutton, B. B. 2029

- Suanprakorn, P. 196
 Suzuki, A. 1968
 Suzuki, H. 1624
 Suzuki, T. 261
 Svendsen, A. 2652
 Svendsen, I. 1893
 Svoboda, J. A. 3132
 Swack, N. S. 1654
 Swales, L. S. 1066
 Swan, G. E. 2206
 Swanepoel, R. 2251, 3243
 Swanenvelder, C. 528
 Swanson, M. C. 1925
 Swartz, P. D. 823, 830
 Sweatman, G. K. 2214
 Sweeney, A. W. 1647, 2609,
 2615
 Swerczek, T. W. 2696
 Swerdel, M. R. 2352
 Swieten, P. van 1512
 Swift, M. C. 3316
 Swift, S. F. 2081
 Swift, S. M. 3297
 Sy, M. 2151
 Sykes, D. L. 1599
 Syssoev, A. V. 1904
 Syvertsen, C. 1902
 Szabo, J. 217
 Szabó, L. 483-485
 Szadziewski, R. 2982
 Szalai, A. J. 1909
 Szalay-Marzsó, L. 76
 Sczypel, B. 1248
 Szeto, S. Y. 1280
 Szymański, S. 779-780
 Tacconi, G. 541, 2809
 Tacher, G. 1133
 Tada, I. 2994
 Tadano, T. 2554, 2626
 Tagatz, M. E. 1963
 Takahashi, H. 2143, 3028,
 3047
 Takahashi, R. M. 2853
 Takai, K. 2556
 Takao, H. 3291
 Takaoka, H. 2994
 Takashima, A. 2711
 Takashima, I. 1504
 Takayama, C. 2122
 Takebe, S. 2647
 Takita, H. 802
 Takuchi, K. 1939
 Takken, W. 1129
 Takle, G. 2915
 Takle, G. B. 884, 1593
 Talcott, P. A. 3298
 Talesara, C. L. 3311
 Talhari, A. C. 1510
 Talhari, S. 1510
 Taliadouri, F. Voutsinou- 1945
 Tamarina, N. A. 33, 616
 Tambakau, S. 432, 2963
 Tamariello, R. F., Jr. 1618
 Tampieri, M. P. 3211
 Tanaka, A. 2516
 Tanaka, A. K. 3291
 Tanaka, K. 1067, 1943
 Tanaka, N. 397
 Tandon, N. 933
 Tandon, R. S. 1533, 1952
 Tang, A. Y. 2573
 Tang, G. K. 2354
 Tang, H. L. 590
 Tang, S. Y. 1341
 Tang, Z. H. 2060, 3285
 Taniai, T. 722
 Tanner, D. K. 3305
 Tanskul, P. L. 1855
 Tao, H. Z. 2339
 Taplin, D. 598, 1071
 Tappin, M. J. 1186
 Taracha, E. L. N. 2196
 Taranto, N. J. 2655
 Tarasevich, I. V. 1507
 Tarry, D. W. 3084
 Taşan, E. 2240
 Tassi, P. 467, 1721
 Tatchell, R. J. 993, 2418
 Tavares, A. M. 2597
 Tavares-Neto, J. 213
 Tay, J. 1588, 1590
 Taylor, A. J. N. 2754
 Taylor, A. J. Newman 3022
 Taylor, C. A. 1635
 Taylor, D. 1201, 2191
 Taylor, D. B. 119, 502, 1405
 Taylor, H. R. 1264, 1755,
 2454-2455
 Taylor, L. R. 988
 Taylor, R. A. J. 1936
 Taylor, R. W. 2882
 Taylor, S. M. 1795
 Taylor, W. G. 571
 Taylor, W. P. 1027
 Tayrkunov, L. P. 800
 Tchicaya, T. 2102
 Tecle, B. 1175
 Tee, R. D. 966, 2754, 3022
 Teitler, J. 2249
 Teklehaimanot, A. 1665
 Telford, S. R., Jr. 1355, 2557,
 2674
 Telzak, E. E. 1840
 Temeyer, K. B. 1387
 Tenenbein, M. 2874
 Teng, M. 440
 Tenquist, J. D. 2702
 Terada, Y. 514
 Terho, E. O. 347-348, 358
 Terra, W. R. 289, 297, 1759,
 2131, 2395
 Terrados, S. 3095
 Tersztyánszky, G. 168
 Terui, S. 514
 Tesh, R. B. 371, 2367, 2370
 Tessier, S. F. 368
 Tetley, L. 2915
 Teulières, L. 433
 Tewari, S. C. 70, 673, 680
 Texier, L. 1779
 Thailand, Museum and Reference Centre, SEAMEO-TROP MED National Centre 576, 1334, 1535, 1613-1614, 2344
 Thakare, V. K. 1809
 Thaker, A. M. 2291
 Thalberg, K. 2158
 Thamsborg, S. M. 303, 2758
 Thang, D. C. 3290
 Thangaraj, T. 2357
 Thapar, B. R. 2030
 Theis, J. H. 2321
 Thiéry, I. Larget- 1931
 Thomas, B. R. 2633
 Thomas, B. W. 509
 Thomas, C. 1369
 Thomas, D. B., Jr. 2704
 Thomas, G. 1744
 Thomas, G. D. 948, 1155
 Thomas, I. G. 875
 Thomas, M. C. 1018
 Thomas, M. S. 1946
 Thomas, T. L. 293
 Thomas, W. R. 546, 1860
 Thomas-Petersein, G. 3338
 Thompson, C. Q. 1947
 Thompson, D. L. 2038, 2345
 Thompson, D. V. 3256
 Thompson, L. H. 3245
 Thompson, M. J. 1808, 3136
 Thompson, S. J. 1476
 Thompson, T. 3264
 Thoms, E. M. 394, 874
 Thomson, K. 2435
 Thomson, M. C. 1700, 1704,
 2687
 Thomson, R. C. Muirhead-
 1538
 Thong, Y. H. 1452
 Thorne, C. B. 565
 Thorne, L. 1523, 3264
 Thurston, R. V. 1953
 Thylefors, B. 2454
 Tian, Q. Y. 2181
 Tibayrenc, M. 81, 1682, 2321
 Tibballs, J. 2780
 Tielsch, J. M. 1264
 Tignor, K. R. 1573, 2921
 Tikasingh, E. S. 1667, 2581
 Tiller, T. 888
 Timm, T. 2088
 Timofeev, B. A. 2792
 Timon-David, P. 1610
 Timoszyk, J. 383
 Tishler, I. R. 1441
 Titus, M. 893
 Titus, R. G. 936
 Tiveron, M. C. 295
 Tizazu, T. 1264
 Todd, J. A. 2839
 Togan, I. 2123
 Toia, R. F. 1175
 Toit, A. J. du 149
 Tokuda, Y. 1015
 Tokuyama, Y. 2591
 Tolliver, S. C. 1718, 2696
 Toma, T. 2591
 Tomalski, M. D. 332, 2812
 Tomassini Barbarossa, I. 2140
 Tomioka, K. 2307
 Tomizawa, C. 273
 Tomori, O. 1265
 Toolson, E. C. 2892
 Toong, Y. C. 3330
 Toro G., H. 2414
 Torrecilla, M. A. A. 1510
 Torres, L. 2384
 Tosti, M. 1386
 Totescu, E. 1161
 Totev, S. M. 2170, 2790
 Toth, J. P. 381
 Toudic, A. 1716
 Toulan, B. A. 1442
 Toumi, M. 3187
 Tovar, M. L. Rodriguez- 2629
 Tovey, E. R. 2803
 Towell-Vail, C. A. 1246
 Townend, C. 3010
 Townshend, J. L. 2391
 Traldi, G. 409
 Tramu, G. 2914
 Tran, H. 1655
 Trajillo, J. F. A. 156
 Traore, A. 3215
 Travassos da Rosa, A. P. A.
 74, 213, 559
 Travassos da Rosa, J. F. S.
 213
 Travassos Filho, L. P. 1460
 Travassos Santos Dias, J. A.
 1128
 Travers, R. 1935
 Traverso, E. 3212
 Travi, B. L. 2341
 Travis, J. 2812
 Treat-Clemons, L. G. 2900
 Treherne, J. E. 396
 Trewitt, P. M. 2404, 3019,
 3048
 Trinder, P. K. E. 535
 Tringali, G. 1507
 Tripathi, S. C. 420
 Tripathi, S. P. 1644
 Tripathy, N. K. 72, 3025
 Trotter, D. B. 2111
 Trouillet, J. 83, 1715
 Trpis, M. 431, 709, 1113,
 2677
 Tsai, L. W. 2897
 Tsai, T. F. 560, 918, 2951
 Tsangueu, P. 518
 Tsarichkova, D. B. 620
 Tschinkel, W. R. 2745, 3099,
 3123
 Tsetlin, V. E. 589
 Tsuda, S. 383, 1273
 Tsukamoto, M. 1658, 2548
 Tsukamoto, T. 2400
 Tsuruoka, Y. 2031
 Tsyrkunova, A. L. 800
 Tubbs, R. C. 200
 Tubeilah, F. A. 1021
 Tuchinda, M. 1921
 Tucker, C. J. 2032
 Tucker, J. W., Jr. 1947
 Tucker, M. A. 3044
 Tukahirwa, E. M. 3337
 Tukey, P. M. 926
 Tukiainen, H. 348, 358
 Tüll, P. 1481
 Tullis, K. 1550
 Tully, J. G. 682-683, 846-847,
 852-853, 1003, 2141, 2258,
 2269
 Tumrasvin, W. 688
 Tunys, M. El. 769
 Turell, M. J. 430, 1093, 1618,
 2035, 2700, 2948
 Turgeon, E. W. T. 1926
 Turner, B. D. 139
 Turner, D. A. 1121
 Turner, D. M. 318-319
 Turner, E. C., Jr. 747, 1673-
 1674
 Turner, K. J. 546, 1860, 3175
 Tüzer, E. 2438
 Tyagi, B. K. 417-418, 912,
 916-917
 Tyler, M. I. 1891
 Tzeng, M. C. 833
 Uchacz, S. 746
 Uchida, M. 1970
 Uchida, T. A. 1202, 1823
 Uchikawa, K. 189-190, 808
 Ude, J. 2512
 Udevitz, M. S. 617
 Udonsi, J. K. 2977, 3240
 Ueckermann, E. A. 188
 Ueda, S. 803
 Ueji, M. 273
 Uemoto, K. 261
 Ugwoke, L. I. 1336
 Uhlig, M. 3114
 Uhlin, T. 506
 Uilenberg, G. 2826
 UK, Association for Consumer Research 3186
 UK, House of Commons, Agriculture Committee 2491
 UK, Overseas Development Administration 104
 UK, S. 2276
 UK, Tropical Development and Research Institute 1692, 1707
 UK, University of Bristol 104
 Ultsch, G. R. 868
 Umetsu, N. 3291
 Une, H. 3299
 Unnasch, T. R. 2684
 Untura, A. A. 1196
 Upadhyay, V. B. 1644
 Upchurch, B. T. 1807
 Uppal, R. P. 2291
 Urazmetov, K. G. 1025
 Urbanek, R. 976, 2157
 Uribe, L. 414
 Urioste, S. S. 2026
 Urones, C. 3218
 Urquhart, G. M. 1974
 USA, Belle Glade Field-Study Group 557
 USA, Centers for Disease Control 2073-2074
 USA, US Environmental Protection Agency 2879
 Uspenskaya, I. G. 1196
 Ustimenko, N. Ya. 758
 Utomo, W. W. 2333
 Uzu, S. 3108
 Uzureau, C. 1138
 Vaeck, M. 1270
 Vafopoulou-Mandalos, X. 1293
 Vagn-Jensen, K. M. 2089
 Vago, C. 442, 497
 Vail, C. A. Towell- 1246
 Vaio, E. S. de 605
 Vajime, C. G. 1114
 Vale, G. A. 1125
 Vale, J. F. 2012
 Valentine, M. D. 301, 2154,
 2461, 2464
 Valerio, P. 1498
 Valik, R. 42
 Vallejo, A. N., Jr. 3231
 Valli, V. E. 3317
 Vallone, G. 1859
 Valoir, T. de 3044
 Van Amstel, S. R. 2424
 Van As, J. G. 1901, 2242

- Van Bronswijk, J. E. M. H. 805, 1009, 1013
 Van Coillie, C. 3066
 Van Damme, J. C. 379
 Van den Abeele, J. 1384
 Van den Berg, M. J. 2137
 Van den Ende, J. E. 2348
 Van der Kaay, H. J. 2958
 Van der Linde, T. C. de K. 2037, 2039
 Van der Linden, S. 1916
 Van der Meer, J. M. 1543
 Van der Vecht, J. 752
 Van der Vloedt, A. 1384
 Van der Vloedt, A. M. V. 1140
 Van der Westhuizen, M. C. 2037
 Van der Zee, J. S. 1512
 Van der Zwan, J. C. 2469
 Van Dijk, H. 1513
 Van Driel, J. W. 2958
 Van Driesche, R. G. 2927
 Van Druten, J. A. M. 2968
 Van Eeden, S. F. 1274
 Van Essen, F. 1347
 Van Gerwen, A. C. M. 475, 1741, 2738
 Van Hage-Hamsten, M. 354, 1473, 1481, 2445
 Van Handel, E. 646, 2496
 Van Hateren, J. H. 1165, 2142
 Van Hoosier, G. L., Jr. 1966
 Van Marle, J. 1430
 Van Neste, D. J. J. 3188
 Van Pletzen, R. 2037, 2039
 Van Rensburg, L. 2422
 Van Rietschoten, J. 2229, 2820, 3226
 Van Steveninck, R. de Ruyter 3070
 Van Swieten, P. 1512
 Van Veen, T. W. S. 2202
 Van Workum, M. E. S. 1932
 Vandeneheuvel, W. J. A. 2279
 Vandepopuliere, J. M. 3023
 Vander Meer, R. K. 3118, 3126, 3129
 Vanek, E. 794
 Vareenil, J. 1921
 Vargas, A. Z. Martínez- 1890
 Vargas, L. G. 2017
 Vargas Martínez, M. B. 2437
 Vargas V., M. 606
 Vargo, E. L. 299, 1180, 1448, 2752
 Varma, R. M. G. 535
 Vasantha, K. 672, 2064, 2961
 Vasconcelos, O. T. 2774
 Vasconcelos, P. F. C. 213
 Vasquez, A. M. de 1959
 Vasuki, C. A. 2357
 Vasuki, V. 417-418, 912, 916- 917
 Vattier-Bernard, G. 83, 1715
 Vaughan, J. A. 363, 1673- 1674
 Vázquez, M. A. 2327
 Vázquez, S. 1913
 Vecchione, M. 2616
 Vecht, J. van der 752
 Veen, T. W. Schillhorn van 2202, 2456
 Vega, J. M. 3095
 Vega, R. de la 3170
 Veiga, C. M. 2412
 Veith, G. D. 1953
 Veith, L. A. 229
 Vela, J. M. 3095
 Velázquez, A. 500, 953, 3054
 Veldman, W. T. 1656
 Velehorschi, N. 51
 Venables, K. M. 2754
 Venkatesan, P. 1082
 Ventkateswarlu, K. 1045
 Verani, P. 1110
 Verbeke, C. 595
 Vercruyse, J. 2105, 2331
 Vereta, L. A. 176
 Verhave, J. P. 2968, 2971
 Verma, K. V. S. 69
 Verma, R. K. 1639
 Verma, S. P. 2291
 Verma, S. R. 1279
 Vermeil, C. 556
 Vermeulen, N. M. J. 3149
 Vernick, K. D. 2336
 Vernon, C. A. 2162
 Verrett, J. M. 2918
 Vershinina, V. I. 799
 Verstraeten, C. 595
 Verwoert, D. 3187
 Vesa, S. 2297
 Veselkin, G. A. 2743
 Vessels, K. J. 1351
 Vest, D. K. 832, 835-836
 Vexenat, J. A. 88-89, 1679, 2362
 Vey, A. 497
 Vezinet, F. Brun- 1712
 Viander, M. 348
 Vicedo, J. L. 384
 Victor, R. 1336
 Victório, V. M. N. 18
 Vidal-Rioja, L. 2646
 Vidrine, M. F. 2595, 2612, 2623
 Viens, P. 3248
 Vijayalakshmi, N. 2637
 Viktorov-Nabokov, O. V. 627
 Vilanova, E. 384
 Vilela, M. L. 96
 Viljoen, G. J. 3149
 Villafuerte, E. 942
 Villalta, F. 2322
 Villanueva, F. Reyes- 2629
 Villarreal-Leal, M. 2629
 Villeneuve, D. C. 3317
 Vincendeau, P. 1779
 Vincent, A. L. 414
 Vincent, J. F. V. 2734
 Vinutha, C. 1440
 Virmani, A. K. 422, 2071
 Visser, B. 1932
 Visser, E. 2310
 Visser, L. 3149
 Vitali, A. 153
 Vitellozzi, G. 2809
 Vitlin, L. M. 624
 Vivarès, C. P. 416
 Vladimirova, V. V. 629-630
 Vlček, M. 350
 Vlková, E. 2165
 Vloedt, A. M. V. van der 1140
 Vloedt, A. van der 1384
 Vogel, E. W. 3049-3050
 Vogt, G. 862
 Vogt, W. G. 136-137, 3067- 3068
 Vohlonen, I. 348, 358
 Voigt, W. P. 1236, 2196, 2768
 Voitsik, A. A. 37, 624
 Volkov, V. I. 176
 Volpi, G. 1110
 Voltisit, O. V. 174, 765
 Von Arx, J. A. 2957
 Von Eickstedt, V. R. D. 2236
 Von Sicard, N. A. E. 2497
 Vondracek, B. 1367, 2052
 Vooren, P. H. 1742
 Voorhees, J. J. 1493
 Vorbrodt, H. M. 7
 Vorgetts, J., Jr. 2956
 Vos, A. J. de 1451
 Voss, S. H. 1788
 Voutsinou-Taliadouri, F. 1945
 Vulinec, M. 198
 Vun, Y. S. 432, 2963
 Vyszenski-Moher, D. L. 1877
 Waage, J. K. 2135, 3280
 Waalwijk, C. 1932
 Wachendorf, U. 2894
 Wada, J. I. 1740
 Wade, S. E. 2537
 Wägele, J. W. 3229
 Wages, J. M., Jr. 2397
 Wagh, S. B. 1951
 Wagner, G. 2757
 Wagner, G. G. 517
 Wagner, J. E. 1954
 Wahba, M. 2989
 Wahl, R. 1870
 Wainwright, T. C. 1367
 Wakayama, E. J. 2709
 Wakid, A. M. 1354
 Waksundzki, P. 486
 Waldron, D. R. 1514
 Walkfeld, A. M. 1523, 3264
 Walker, A. J. 218
 Walker, A. K. 3348
 Walker, A. R. 1224
 Walker, D. H. 218, 522
 Walker, E. D. 1343, 1656, 2549, 2955
 Walker, I. 65
 Walker, J. M. 136-137
 Walker, M. C. 2596
 Walker, R. L. 2836
 Walker, T. W. 1661
 Walker, V. K. 247
 Walker, W. W. 1287
 Wall, R. 1531
 Wallace, M. M. H. 1439
 Wallbanks, K. R. 453, 530, 1678
 Waller, J. 2663
 Waller, P. J. 2147
 Walliker, D. 2540
 Wallis, D. A. 2264
 Walpole, D. E. 1600, 2019
 Walsh, J. F. 264, 2373
 Walshaw, M. J. 2444
 Walter, D. E. 1873, 3270
 Walter, G. 164, 167, 488, 1399
 Walters, L. L. 2367, 2370
 Walterspiel, J. N. 2721
 Wandall, A. 1617, 2652
 Wander, A. H. 2239
 Wang, A. H. 58
 Wang, C. H. 62
 Wang, C. Q. 3219
 Wang, D. Q. 2224, 3176
 Wang, H. 55
 Wang, H. M. 658
 Wang, J. G. 522
 Wang, K. 440
 Wang, L. C. 2947
 Wang, L. L. 2224
 Wang, M. S. 1339
 Wang, R. L. 59
 Wang, R. S. 1338
 Wang, S. Q. 609, 1328
 Wang, S. S. 2354
 Wang, T. C. 898, 1947
 Wang, T. H. 1341
 Wang, W. C. 1339
 Wang, X. L. 1622
 Wang, Y. C. 440
 Wang, Y. H. 440
 Wang, Z. M. 1391
 Ward, E. S. 856, 1518, 2838- 2839, 3279
 Ward, G. B. 2916
 Ward, R. D. 92, 934, 2365- 2366
 Wardhaugh, K. G. 2145
 Wardhere, M. A. 1717
 Warfa, A. A. 376
 Warren, M. 2029
 Wasfi, I. A. 201
 Washburn, J. O. 1362, 2337, 2350
 Washino, R. K. 3260
 Wassef, H. Y. 776, 789, 1805
 Wassenaar, D. P. J. 1485, 1881
 Watanabe, H. 3335
 Watanabe, M. 1167, 2647
 Watanabe, T. 1504
 Waters, B. T. 2607
 Wathanga, J. 3172
 Watkinson, I. A. 2270
 Watson, T. G. 1989
 Watts, D. M. 1621, 1629
 Watts, S. J. 3235
 Way, M. J. 3352
 Weathersbee, A. A. 2620
 Weaver, C. A. A. 2981
 Weaver, J. E. 3121
 Weaver, S. C. 1635
 Webb, R. F. 3325
 Webber, R. A. 1084, 2561, 2969
 Weber, A. 2158
 Weber, F. 1321
 Weber, K. 2833
 Weber, R. G. 2501
 Webster, J. M. 2111
 Wee, S. H. 2382
 Weeke, B. 505-507, 1474, 2221
 Weeke, E. R. 3094, 3252
 Weems, H. V., Jr. 2885
 Weerasena, K. H. 1641
 Weidman, C. S. 1829
 Weinstein, P. 1163
 Weintraub, J. 2457, 3005-3006
 Weir, T. A. 3113
 Weiser, J. 1648-1649, 2351
 Wejksnora, P. J. 2404
 Welburn, S. C. 105, 2692
 Welch, J. B. 2568, 3032
 Weller, M. 3107
 Welton, J. S. 706
 Welu, M. 3002
 Wen, C. L. 1339
 Wen, T. H. 1478, 3178
 Wermelinger, E. 2363
 Wermelinger, E. D. 93, 95, 2671
 Werren, J. H. 1182
 West, K. B. David- 1137
 West, K. P., Jr. 1264
 West, R. J. 2275
 West, S. K. 2454-2455
 Wester, R. T. 3328
 Westhuizen, M. C. van der 2037
 Westrom, D. R. 2609
 Wetter, G. 1009
 Weyda, F. 2689
 Wharton, R. A. 3134
 Wheeler, C. M. 1065
 Wheeler, H. G., Jr. 2854
 Wheelock, G. D. 2959
 Whelan, P. I. 1088, 3113
 Whelen, A. C. 2173
 Whisenton, L. R. 2633
 Whistler, T. 3243
 Whitaker, J. O., Jr. 1874, 1876, 3193-3194
 Whitcomb, R. F. 682, 846- 847, 852-853, 2141, 2258, 2269
 White, D. O. 2878
 White, D. S. 1284
 White, G. B. 2876
 White, R. R. 1554
 White, S. 2857
 White, S. D. 342
 Whiteley, H. E. 1331
 Whiteley, H. R. 2262, 2267- 2268, 3266, 3268
 Whiteley, N. M. 2237
 Whitfield, G. H. 457, 459
 Whitlock, N. H. 3299
 Whitmire, R. E. 2343
 Whitten, C. J. 126, 503
 Whyard, S. 247
 Wichterman, G. J. 1344
 Wicker, C. 2753, 2753
 Widahl, L. E. 2962
 Wiedenmann, G. 1319
 Wiegand, U. 1737
 Wigzell, H. 2658
 Wikell, S. K. 311, 2442
 Wickerhauser, T. 198, 1885
 Wild, M. 3264
 Wilder, W. H. 2964
 Wildfeuer, A. 307
 Wilkes, T. J. 452
 Wilkins, J. P. G. 1062
 Wilkins, S. R. 337, 2804-2805, 3185, 3190
 Wilkinson, F. C. 403
 Wilkinson, G. T. 2252
 Wilkinson, P. J. 2701, 3168
 Willadsen, P. 1457
 Willers, J. M. N. 1513
 Williams, D. 1002
 Williams, D. F. 2763, 3129
 Williams, D. H. 2758

- Williams, D. J. 3332
 Williams, F. M. 1955
 Williams, G. 807
 Williams, H. 2720
 Williams, J. P. 787
 Williams, M. C. 455, 3258
 Williams, R. E. 478, 1246,
 1307, 2936
 Williams, S. A. 2657
 Williams, S. C. 1895-1896
 Williamson, D. L. 683, 846,
 852-853
 Williford, C. Besch- 1954
 Willis, N. L. 73
 Willis, O. R. 2612
 Williston, B. K. 2265
 Wilmot, T. R. 661, 2580
 Wilske, B. 794
 Wilson, I. D. 1053
 Wilson, M. 2682
 Wilson, M. L. 792
 Wilson, N. 1599
 Wilson, R. T. 3215
 Wilson, T. G. 2849
 Wimsatt, J. H. 1585
 Winater, G. 1870
 Windsor, I. M. 2348
 Windsor, R. S. 1194
 Winner, R. A. 2664
 Winquist, R. 3224
 Winston, M. L. 1542
 Wintersberger, F. 307
 Wiren, A. 2445
 Wirth, M. 1655, 2550
 Wirth, W. S. 2080
 Wirtz, H. P. 97
 Wirtz, R. A. 2343, 2547, 2716
 Wise, G. U. 3191
 Wise, R. A. 3234
 Wislocki, P. G. 2857
 Wisnivesky-Colli, C. 1589,
 1591
 Wissner, A. 717
 Witkowski, J. A. 364
 Witkowski, J. 2857
 Witte, J. J. 557
 Witten, J. L. 2517
 Witrock, D. D. 408
 Wojcik, D. P. 2760
 Wolff, K. L. 1505
 Wolff, R. J. 3221
 Wong, H. C. 2268, 3268
 Wong, P. W. 1266
 Wong, R. C. 1493
 Wong, S. Y. 1908
 Woo, F. C. 1309
 Wood, D. L. 1443, 1503
 Wood, O. L. 254
 Wood, R. J. 71, 2651
 Wood, R. K. S. 3352
 Woodley, N. E. 1754
 Woody, B. J. 2798
 Wppard, T. H. 1157
 Woolley, T. A. 2213
 Wootten-Saadi, E. 321
 Wootten-Saadi, E. L. 1246
 Workum, M. E. S. van 1932
 World Health Organization
 219, 1049, 1541, 1976
 Worms, M. J. 1470
 Worner, S. P. 2495
 Worthen, W. B. 1549
 Wotton, R. S. 1378, 1697
 Wrenn, W. J. 1875, 2442
 Wrensch, D. L. 3130
 Wright, A. J. 2115
 Wright, F. C. 2799, 2806
 Wright, M. D. 2986
 Wright, M. S. 225
 Wright, R. E. 715
 Wright, S. M. 2442
 Wu, C. L. 898
 Wu, D. 1040, 1519
 Wu, D. G. 3286
 Wu, F. 1339
 Wu, J. Y. 62
 Wu, K. S. 440
 Wu, K. W. 3205
 Wu, N. 2354
 Wu, W. C. 615
 Wu, X. 440
 Würgler, F. E. 3053
 Wurtsbaugh, W. A. 2052
 Wüthrich, B. 306, 754, 1172
 Wyatt, G. R. 247
 Wyers, F. 563, 1030
 Wypych, J. I. 1176
 Wyss, S. Marti- 306, 754,
 1172
 Xamenia, N. 500, 953, 3054
 Xiang, R. J. 1478
 Xiao, A. X. 609, 1328
 Xiao, D. X. 1622
 Xiong, G. H. 85, 1374
 Xong, X. R. 1097
 Xu, B. Z. 2614, 2644
 Xu, G. J. 3274
 Xu, J. J. 2066
 Xu, R. M. 1096, 1340, 2354
 Xu, X. D. 1098
 Xu, Y. X. 454
 Xu, Z. G. 1337
 Xue, J. M. 52
 Xue, R. D. 1477
 Xue, Z. 60
 Yacnambe, S. 3003
 Yagasaki, O. 2483
 Yagofarov, F. F. 797
 Yakir, D. Ben- 171
 Yamagata, Y. 261
 Yamaguchi, K. 1167
 Yamaguti, N. 532
 Yamamoto, D. 3295
 Yamamoto, H. 2031
 Yamamoto, T. 1521, 2270
 Yamamura, Y. 859
 Yamanaoka, S. 859
 Yamane, S. 756, 981, 1428
 Yamasaki, N. 2400
 Yamasaki, R. B. 3327, 3334
 Yamaura, I. 2400
 Yamazaki, S. 365
 Yamugi, H. 667
 Yan, J. P. 1269
 Yan, Q. L. 2698
 Yanagawa, H. 1202
 Yáñez, Y. García 1590
 Yang, J. Y. 1622
 Yang, P. C. 1622
 Yang, Y. K. 57
 Yanishevskaya, G. S. 620
 Yano, T. 2122, 2710-2711
 Yano, Y. 1823
 Yanyshevskaya, O. D. 2792
 Yao, C. Q. 1098
 Yap, H. H. 922, 1085, 2576
 Yasuda, Y. 3162
 Yasudomi, N. 3291
 Yasuhara, T. 1444
 Yasuno, M. 1168, 2294
 Yatani, A. 834, 3225
 Yatani, T. 1488
 Yavru, N. 720
 Yax, P. M. 2994
 Yazaki, S. 181
 Ye, B. H. 639
 Ye, R. Y. 611, 1327
 Ye, X. Y. 2947
 Ye, Y. Y. 1337
 Yearian, W. C. 2619
 Yellamma, K. 1576
 Yen, J. 1501
 Yeoman, G. H. 1852
 Yeruham, I. 1794, 2174, 3085
 Yin, C. M. 1756
 Yin, L. R. S. 1754
 Yonetzu, A. 3028
 Yoneyama, Y. 1167
 Yoshida, M. 859
 Yoshikawa, K. 3056
 Yoshioka, M. 2823
 You, Z. P. 3285
 Youlten, L. 2157
 Young, A. M. 1160, 1763
 Young, A. S. 1233, 1235,
 2172, 3160, 3172
 Young, D. G. 702, 1355, 1376,
 1688-1689, 2370, 2557,
 2669-2670, 2674
 Young, J. R. 1708
 Young, S. 1552
 Yousten, A. A. 848, 1522,
 2264, 2473
 Yovo, J. Dossou- 634, 670
 Yu, P. H. 1563
 Yu, X. 611, 1327
 Yu, Y. 657
 Yu, Y. M. 1643
 Yu, Z. B. 54
 Yuan, J. G. 730
 Yuan, Y. Z. 54
 Yukhimenko, S. S. 211
 Yunginger, J. W. 2465
 Yunker, C. E. 989, 1003, 1466
 Yunus, H. 954
 Yust, I. 2934
 Yuval, B. 1681
 Zabeau, M. 2260
 Zachary, D. 124
 Zack, R. 2843
 Zaghloul, T. M. 2909
 Zahedi, M. 941
 Zahnuddin, M. 2
 Zaim, M. 2588, 2611
 Zaim, R. 982
 Zajdel, R. K. 1953
 Zajíček, D. 2910
 Zajonc, I. 2132
 Zakaria, M. 2909
 Zakarya, D. 857
 Zala, L. 163
 Zaldivar, L. 1248
 Zalunin, I. A. 1520
 Zambrano, V. 2594
 Zangerlé, P. F. 1914
 Zao, M. L. 2066
 Zao, W. X. 639
 Zarzára, C. 2326
 Zattau, W. C. 249
 Zayed, S. M. A. D. 2477
 Zdunowski, G. 2110
 Zea F., G. E. 2994
 Zee, J. S. van der 1512
 Zeil, J. 1418
 Zeiller, E. 1709
 Zein, Z. A. 1587
 Zeledón, R. 2106
 Željazkova, M. P. 1390
 Zeman, P. 3200
 Zeng, X. X. 54
 Zerba, E. N. 2324
 Zervos, S. 1310-1312
 Zetterström, O. 354, 1481
 Zettler, F. 499
 Zhai, Z. H. 3178
 Zhang, F. N. 1339
 Zhang, F. S. 440
 Zhang, G. D. 610
 Zhang, J. H. 3219
 Zhang, J. S. 1096, 1340-1341
 Zhang, J. X. 2947
 Zhang, J. Y. 440
 Zhang, M. Q. 54
 Zhang, P. H. 1341
 Zhang, P. N. 440
 Zhang, Q. E. 1341
 Zhang, W. Z. 1477
 Zhang, X. J. 43
 Zhang, X. M. 1339
 Zhang, Y. G. 440
 Zhang, Y. H. 1342
 Zhang, Y. M. 43, 1269
 Zhang, Z. Y. 2059
 Zhantiev, R. D. 33
 Zhao, S. Q. 55
 Zhao, X. H. 294
 Zhao, Z. H. 294
 Zharov, V. R. 24
 Zhéltikova, T. M. 810
 Chen, J. J. 55
 Zheng, H. 2947
 Zheng, X. Z. 54
 Zherikina, I. I. 698
 Zhioua, E. 1916
 Zhong, Z. L. 656
 Zhou, J. 3286
 Zhou, M. S. 3178
 Zhou, S. L. 440
 Zhou, X. H. 3219
 Zhou, X. Y. 2282
 Zhou, Y. H. 1622
 Zhu, G. S. 55

SUBJECT INDEX

- A-200 Pyriate (see Pyrethrins)**
- Abamectin (ivermectin B₁)**
absorption, *Macaca mulatta* 2857
against, *Vespa pensylvanica* 2764
effects, cattle 3325
mode of action 1067, 1943
synthesis 3294
toxicity, *Culex quinquefasciatus* 424
- Abate (see Temephos)**
- Abis**, hospitals, contamination 1602
- Abonnencius**, taxonomy, synonym of *Anaphlebotomus* 2086
- Acanthococcus**
cannabina
Maculinirmus granatensis, Spain 596
Nigronirus densilimus, Spain 596
- Acanthocyclops**, malathion plus lindane, effects 3306
- Acanthocyclops vernalis**
entomopathogenic protozoa 2616
infectivity 2063
- Acanthophthirius nycticeius**
Nycticeius humeralis, Indiana 1876
taxonomy, new species 1876
- Acaris**
coasts, UK 1484
man, bites 1257
vectors, human immunodeficiency virus, transmission 557
- Acaricide resistance**
Boophilus, Australia 330
Boophilus microplus, resistance mechanisms 1458
Ixodidae, Caribbean 2185
Rhipicephalus sanguineus, Sudan 534
- Acaricides**
against, *Amblyomma americanum* 1815
ectoparasites, reviews 1305
reviews 2476
- Acaridae**
carrión, Hawaii 1548
coasts, UK 1484
ecology, spatial distribution 2902
livestock housing, Czechoslovakia 544
poultry droppings 2902
Massachusetts 1785
predators 2902
- Acartia tonsa*, insecticides, toxicity 1947
- Acarus**, evolution, host parasite relationships 2023
- Acarus farris**
control, environmental management 1482
hay, Iceland 1482
- Acarus monopsyllus**, *Ceratophyllus ciliatus*, phoresy 2023
- Acarus siro**
allergens, cross reactivity 2445
Denmark 1866
farms, Finland 347
Finland 358
grain stores, Denmark 2220
man, allergies 348, 358, 1481, 1866, 2220
taxonomy, nomenclature 798
- Acephate** (*O,S*-dimethyl acetylphosphoramidothioate)
toxicity, *Stomoxys calcitrans* 3075
- Acetone**
attractants, *Glossina palpalis* 1144
toxicity, *Musca domestica* 1758
- 1-Acetylaphthalene**, phototoxicity, Culicidae 2567
- 2-Acetylaphthalene**, phototoxicity, Culicidae 2567
- Achaearanea tepidariorum**
biology, development 2234
dwellings, Japan 2235
ecology, reproduction 2235
- Acheta domesticus**
Androtomus australis, toxins, toxicity 1258
biochemistry
cuticle 1185
- Acheta domesticus cont.**
biochemistry cont.
nervous system 2753
genetics, RNA sequences 2152
physiology
nervous system 2160
nutrition 3127
oviposition 3128
water relations 2748
ultrastructure, sensilla 1313
- Acholeplasma**, hosts, insects 847, 2269
- Acholeplasma entomophilum**
hosts, insects 2258
taxonomy, new species 2258
- Acinetobacter calcoaceticus**, *Aedes aegypti*, oviposition attractants 2642
- Acorus calamus**, extracts, Diptera 2300
- Acquired immune deficiency syndrome (see also Human immunodeficiency virus)**
epidemiology 364
Florida 557
- Acrididae**
man, allergies 2468
Moniliformis moniliformis, infection 2405
- Acrolytta neivai**, taxonomy, nomenclature 2756
- Acrolytta nigropicta**, taxonomy, nomenclature 2756
- Acronemia lycorias**, insecticides, effects 860
- Actinomadura**, metabolites, toxicity, *Aedes aegypti* 2263
- Actinomyces pyogenes**
vectors
- Muscidae**
mechanical transmission 3084
transmission 2114
- Actinomycetales**, methylallosamidin, structure 1968
- Actinoplanes**, metabolites, toxicity, *Aedes aegypti* 2263
- Acuaria gruveli**, intermediate hosts, Acrididae, infection 2406
- Adhatoda vasica**, extracts, Diptera 2300
- Adia**
cattle dung, Texas 2755
parasitoids 2755
- Adjuvants**, insecticides, chemico-physical properties 1043
- Adoratopsylla antiquorum**, *Akodon arviculoides*, Brazil 30
- Aechmea aquilega**, fauna, Venezuela 891
- Aechmea nudicaulis**, fauna, Venezuela 891
- Aedes**
biochemistry, enzymes 1658
breeding places, Iran 2611
control 1976
microbial pesticides 1085
non-target effects 2851
dengue virus 365, 1509
ecology, predator-prey relationships 390
entomopathogenic protozoa 2576
filaridiids 1976
genetics, chromosomes, DNA 927
identification, audiovisual aids 1613, 2344
insecticide resistance, selection 2850
Iraq 2053
Malaysia 2576
man
Australia 2628
India 235
USSR 628
parasites, prevalence 2565
phytotelmata, Indonesia 1054
ponds, Alberta 2565
predators 390, 1082
Queensland 390
repellents 2628
Singapore 365
taxonomy, keys 2053
UK 2876
- Aedes aegypti**
arboviruses, vector competence 2600
Argentina 558
aromatic compounds, phototoxicity 2567
- Bacillus anthracis**, mechanical transmission 2700
- Bacillus sphaericus**
pathogenicity 1931, 2641
toxins
enzymes 687
toxicity 1340
- Bacillus thuringiensis**
bioassays 2956
effects 416
pathogenicity 138, 214, 373, 444, 621, 894, 2474, 2560
toxins
effects 442
receptors 925
toxicity 855-856, 1034, 1039, 1268, 1270, 1516-1517, 1519, 1523, 1643, 1646, 2254, 2259, 2644, 3259, 3263-3264, 3266, 3269
- bacteria, oviposition attractants 2642
- bacterial insecticides, effects 2047
- behaviour
biting rates 1102
feeding behaviour 1368
flight 1620
- biochemistry
aging 920, 2639
enzymes 2057
- Borrelia burgdorferi**, infection 427
- Brazil** 74
breeding places
French Polynesia 2545
Queensland 2643
- Brugia**, infection 2031
- Brugia malayi**, infection 1104, 2026
- Brugia pahangi**
infection 1620, 2980
susceptibility 2041
- Caribbean 1655
- cell lines
- Bacillus sphaericus**, toxins, toxicity 410, 1662
- Bacillus thuringiensis**
toxins
modes of action 1033
specificity 1524
toxicity 1268, 3255
chitin, synthesis 2894
human immunodeficiency virus, infection 433
- Spiroplasma mirum**, propagation 1003
- chikungunya virus
transmission 903
transovarial transmission 425
- China 2354
- Coelomomyces stegomyiae**, pathogenicity 31
- control 1103
biological control 2354, 2545
growth regulators 417
insecticides 41, 1102, 1636, 2552
integrated control 1625
non-target effects 1948
cyfluthrin, toxicity 418
- DDT, resistance 71
dengue virus 74, 366
infection 430
vector competence 2587
- Dirofilaria immitis**, infection 242, 408, 1608
- distribution, Mexico 690
- dwellings
India 675
Trinidad and Tobago 1103
- embryology, ecdysis 2596
- entomogenous fungi, pathogenicity 2043

- Aedes aegypti* cont.
 entomopathogenic bacteria 619
 pathogenicity 37, 620
 entomopathogenic protozoa 1335
Entomophthora muscae, pathogenicity 962
 Fiji 2555
 genetics
 chromosome maps 2950
 chromosomes, meiosis 2652
 enzymes, genes, linkage 2551
 meiotic drive 2651
 resistance mechanisms 71
 growth regulators
 effects 1528, 2577
 toxicity 3289
 histochemistry, secretions, oocytes 1089
 insecticides, toxicity 1335
 lactates, repellents 627
Lagenidium giganteum, pathogenicity 411
 Louisiana 1625
 man
 Dominican Republic 414
 Trinidad and Tobago 41, 1102
 methoprene, effects 2633
 mice, immune response 897
 microorganisms, metabolites, toxicity 2263
 monitoring, traps 1103
 monoclonal antibodies 1089
 Onchocercidae, infection 2341
 organophosphate insecticides, resistance 1655
 pathogens 249
 physiology
 cuticle 67
 ecdysteroids, biosynthesis 2633
 excretion 2959
 flight, sounds 2062
 immune response 242
 immune system 1608, 2031, 2980
 olfaction 1663
 oocytes, protein transport 2356
 oviposition 39
 reproduction 1080
Plagiorchis noblei
 host parasite relationships 2969
 infection, susceptibility, predators 1084
 infectivity 2618
 susceptibility 2561
 plant extracts
 effects 1353
 repellency 2966
Plasmodium chabaudi, host parasite relationships 2948
Plasmodium gallinaceum, infection 619, 2539
Praomys natalensis 1104
 rabbits, immunity 902
 Rift Valley fever virus
 host parasite relationships 2948
 infection 1618
 Ross River virus, vector competence 2555
 sampling 41
Schellackia, transmission 1355
 South Africa 366
 Surinam 1636
 tissue culture, physiology, vitellogenesis 1293
Tolypocladium cylindrosporum, pathogenicity 2610
Toxorhynchites amboinensis, predator prey relationships 2068
Toxorhynchites rutilus, predator prey relationships 2069
 tyres, dispersal 2604
 Uganda 31
 ultrastructure, spermatocysts 1617
 urban areas, Louisiana 2552
Wuchereria bancrofti, transmission 414
 yellow fever virus, transmission 897
Aedes africanus
 entomogenous fungi, pathogenicity 2043
 yellow fever virus, transmission 926
Aedes albifasciatus
 Argentina 1650
 blood-meals 1650

- Aedes albopictus*
 America 1634
 arboviruses 2075
 vector competence 2600
Bacillus sphaericus, toxins, toxicity 1340
 biology, development 656
 cell lines
 arboviruses, infection 1360
Bacillus sphaericus, toxins, toxicity 1662
Bacillus thuringiensis, toxins, toxicity 564, 854, 2257, 3255
 biochemistry, reviews 1360
 dengue virus, infection 843
 genetics, reviews 1360
 Japanese encephalitis virus, infection 1029
 Mayaro virus, infection 2072
 Sindbis virus
 homologous interference 637
 replication 2634
Spiroplasma mirum, propagation 1003
 chikungunya virus, transovarial transmission 425
 control 1634
 dengue virus
 transmission 434
 vector competence 2587
 diflubenzuron, effects 62
 distribution, USA 2073
 ecology, environmental factors 2579
 entomogenous fungi 1642
 entomopathogenic bacteria 2576
 entomopathogenic protozoa 1335, 2576
 evolution, reproductive isolation 640
 genetics
 chromosomes 898
 DNA 927
 methylation 2646
 DNA sequences 685, 2051
 genes
 enzymes 2554
 nucleotide sequences 2352
 insecticides, toxicity 1335
 Malaysia 1642, 2576
Metarizium anisopliae, pathogenicity 669, 2266
 North America 2579
 RNA, transcription 2965
 Ross River virus, vector competence 2555
 South East Asia 640
 tyres
 dispersal 2604
 Illinois 2630
 USA 2075, 2587
Aedes alcasi
Brugia pahangi, infection 431
 taxonomy, enzymes 2631
Aedes alternans
 predators 2660
 salt marshes, Queensland 2660
Aedes annulipes
 behaviour, haematophagy 1101
 man, Sweden 1101
Spiroplasma, France 665
Aedes atlanticus
 ecology, breeding places 617
 Jamestown Canyon virus, infection 1621
 Keystone virus, transmission 2834
 standing water, North Carolina 617
Aedes atropalpus, *Borrelia burgdorferi*, infection 427
Aedes bekku
 distribution, Korea Republic 1364
 taxonomy 1364
Aedes bromeliae
 distribution, Africa 663
 ecology 663
 yellow fever virus 663
Aedes campestris, distribution, Michigan 2580
Aedes canadensis
 biology, energy reserves 1657
Borrelia burgdorferi, prevalence 2788
 Connecticut 1657, 2788
 ecology, seasonal abundance 1629
Aedes cantans
 control, microbial pesticides 234
 German Federal Republic 234
 man, USSR 625
Spiroplasma, France 665
Aedes cantator
 ecology, seasonal abundance 1629
 entomopathogenic protozoa, infectivity 2063
 Jamestown Canyon virus
 infection 1621
 transmission 1629
 Rift Valley fever virus, transmission 1093
 salt marshes, Connecticut 2063
Aedes carmenti
 man, Queensland 2609
 repellents 2609
Aedes caspius
 man, Italy 871
 Rift Valley fever virus, transmission 254
 urban areas, Egypt 2025
Aedes cinereus
 behaviour, haematophagy 1101
 man
 Sweden 1101
 USSR 625
 mosquito-borne diseases, transmission 2355
Spiroplasma, France 665
Aedes circumluteolus
 arboviruses, transmission 2553
 ecology 2553
 South Africa 2553
Aedes claviger, man, Italy 871
Aedes communis
 arboviruses, USSR 2452
 behaviour, haematophagy 1101
 lactates, repellents 627
 man
 Sweden 1101
 USSR 628
 mosquito-borne diseases, transmission 2355
 radionuclides 2584
 Sweden 2584
 temephos, toxicity 2851
 USSR 627
Aedes cooki, dengue virus, vertical transmission 2036
Aedes detritus
 man, Italy 871
 urban areas, Egypt 2025
Aedes diantaeus
 behaviour, mating behaviour 33
 USSR 33
Aedes dorsalis, cell lines, *Bacillus sphaericus*, toxins, toxicity 687
Aedes epactius, water containers, Mexico 690
Aedes euedes
 distribution, Michigan 2580
 genetics, isoenzymes 1619
 North America 1619
Aedes excrucians
 genetics, isoenzymes 1619
 man, USSR 625, 628
 North America 1619
 Rift Valley fever virus, transmission 1093
Aedes fitchii
 genetics, isoenzymes 1619
 North America 1619
Aedes flavopictus
Bacillus sphaericus, toxins, toxicity 1340
 dengue virus, infection 1341
 genetics, DNA sequences 685
Aedes fluviatilis
 Brazil 923
 insecticides, susceptibility 923
Aedes fulvus pallens
 Alabama 2573

- Aedes fulvus pallens* cont.
Spiroplasma, prevalence 2573
Aedes geminus, *Spiroplasma*, France 665
Aedes geniculatus
 behaviour, haematophagy 1101
 distribution, Sweden 1101
 man, Italy 871
Aedes hebreus, genetics, DNA sequences 685
Aedes hendersoni
 ecology, population ecology 2549
 entomopathogenic protozoa 2627
 forests, Indiana 2549
 tree holes, Indiana 2627
Aedes juppi
Alphavirus, South Africa 2038
 breeding places, South Africa 2065
 Rift Valley fever virus, transovarial transmission 2065
Aedes katherinensis (*see A. scutellaris katherinensis*)
Aedes kochi
 entomogenous fungi 2957
 man, Queensland 2609
 phytotelmata, Queensland 2957
 repellents 2609
Aedes krombeini, distribution, India 680
Aedes lili
 distribution, Africa 663
 ecology 663
Aedes malayensis
Aedes polynesiensis, hybridization 2559
 genetics, DNA sequences 685
 taxonomy, enzymes 2631
Aedes melanimon
 control, growth regulators 2964
 pastures, California 2964
Aedes nigromaculatus
 control, growth regulators 2964
 pastures, California 2964
Aedes polynesiensis
Aedes malayensis, hybridization 2559
 breeding places, French Polynesia 2545
Brugia pahangi, infection 431
 control, biological control 2545
 dengue virus, vertical transmission 2036
 man, Western Samoa 2028, 2342
 Pacific islands 2555
 Ross River virus, vector competence 2555
 taxonomy, enzymes 2631
Wuchereria bancrofti, transmission 2028, 2342
Aedes provocans
 biology, energy reserves 1657
 Connecticut 1657
Aedes pseudalbopictus
 evolution, reproductive isolation 640
 genetics, DNA sequences 685
 Taiwan 640
Aedes pseudoscutellaris
Brugia pahangi, infection 431
 Fiji 2555
 genetics, DNA sequences 685
 Ross River virus, vector competence 2555
 taxonomy, enzymes 2631
Aedes punctor
 behaviour, haematophagy 1101
 man
 Sweden 1101
 USSR 625
Aedes purpureipes, distribution, Arizona 2578
Aedes riparioides
 China 1342
 taxonomy, new species 1342
Aedes rusticus, man, Italy 871
Aedes samoanus
 man, Western Samoa 2028, 2342
Wuchereria bancrofti, transmission 2028, 2342
Aedes scapularis
 Argentina 1650
 blood-meals 1650
 habitats, Brazil 75
Aedes scutellaris complex
Brugia pahangi, infection 431
 taxonomy, enzymes 2631
Aedes scutellaris katherinensis, *Brugia pahangi*, infection 431
Aedes seatoi
 evolution, reproductive isolation 640
 genetics, DNA sequences 685
 Thailand 640
Aedes sergivae
 biology 34
 distribution, USSR 34
Aedes sierrensis, entomopathogenic protozoa 1362, 2337, 2350
Aedes simpsoni
 distribution, Africa 663
 ecology 663
 entomogenous fungi, pathogenicity 2043
Aedes sollicitans
 behaviour
 dispersal 649, 660
 feeding behaviour 651
 flight 650
 biology 644
 reproduction 652
 reviews 641
 breeding places, Louisiana 2616
Cache Valley virus 1629
 control 653
 insecticides 654
 ecology
 seasonal abundance 1629
 size 2624
 Florida 649, 651
 fluorescent dyes, marking 2590
Jamestown Canyon virus
 infection 1621
 transmission 1629
 marshes, Louisiana 2590
 natural enemies 2616
 Rift Valley fever virus, transmission 1093
 salt marshes
 Florida 641, 643
 Louisiana 2624
 New York 660
Spiroplasma culicola, New Jersey 682
 taxonomy 642
Aedes sticticus
 control, microbial pesticides 234
 German Federal Republic 234
Spiroplasma, France 665
Aedes stimulans
 biology, energy reserves 1657
Borrelia burgdorferi, prevalence 2788
 Connecticut 1657, 2788
 genetics, isoenzymes 1619
Jamestown Canyon virus, transmission 2033
 North America 1619
Odocoileus virginianus, Indiana 2033
 physiology, feeding 2953
Aedes subtropicus
 control, insecticides 912
 dwellings, India 912
Aedes tabu (*see A. tongae tabu*)
Aedes taeniorhynchus
 aromatic compounds, phototoxicity 2567
Bacillus anthracis, mechanical transmission 2700
Bacillus thuringiensis, pathogenicity 1345
 behaviour
 dispersal 648-649
 feeding behaviour 651
 flight 650
 orientation 645
 swarming 647
 biology 644
 reproduction 652
 reviews 641
Cache Valley virus 1629
 control 653
 insecticides 654, 1344
 ecology
 seasonal abundance 1629
 size 2624
 Florida 648-649, 651, 1344
 growth regulators, effects 2577
 habitats, Brazil 75
 α -Isooctadecyl- ω -hydroxypoly(oxy-1,2-ethanediyl), efficacy 2625
Jamestown Canyon virus
 infection 1621
- Aedes taeniorhynchus* cont.
Jamestown Canyon virus cont.
 transmission 1629
 monitoring, traps 1350
 physiology, nutrition 646
 Rift Valley fever virus, transmission 1093
 salt marshes
 Florida 641, 643, 645, 647, 1350
 Louisiana 2624
 taxonomy 642
 teflubenzuron, activity 2964
Aedes terrans, habitats, Brazil 75
Aedes togoi
 behaviour 1365
 biology, reproduction 52
Brugia, infection 2031
 Canada 32
 China 52
 distribution 32
 physiology, immune system 2031
 USSR 32
Wuchereria bancrofti, infection 1641
Aedes tongue tabu, *Brugia pahangi*, infection 431
Aedes triseriatus
 arboviruses, infection 1092
Bacillus sphaericus, pathogenicity 2641
 behaviour
 feeding behaviour 664, 1652
 grooming 1343
Borrelia burgdorferi, infection 427
 control, biological control 1656
Dirofilaria immitis 2659
 ecology 2589
 breeding places 2955
 drought, survival 2049
 parous rates 1653
 population ecology 2549
 population regulation 892
 entomopathogenic protozoa 2627
 forests, Indiana 2549
 genetics
 DNA sequences 2051
 heterozygosity, inbred lines 1094
La Crosse virus
 transmission 1653
 West Virginia 2074
 man, bites 1628
 morphology, mouthparts, larvae 1652
Peromyscus leucopus, host parasite relationships 2638
 physiology, feeding 2953
 Rift Valley fever virus, transmission 1093
 Texas 2589
 tree holes
 Florida 2049
 Massachusetts 892
 Michigan 2955
 tyres, Indiana 1656
Aedes trivittatus
 behaviour, flight 1654
 control, microbial pesticides 2613
Dirofilaria immitis, infection 1608
 physiology
 feeding 2953
 immune system 1608
 ponds, Iowa 2613
 trivittatus virus, infection 1654
Aedes vexans
 control, microbial pesticides 234, 2566, 2613
 ecology, population ecology 232
 German Federal Republic 234
 horses, German Federal Republic 232
 lactates, repellents 627
 man
 Italy 871
 USSR 625
 physiology, feeding 2953
 ponds
 Alberta 2566
 Iowa 2613
Spiroplasma, France 665
Tolycopodium cylindrosporum, pathogenicity 2610
 USSR 627
Aedes vigilax
 arboviruses, transmission 2034

- Aedes vigilax** cont.
ecology
breeding places 428
seasonal abundance 1088
horses 2034
man, Australia 2628
predators 2660
repellents 2628
salt marshes, Queensland 428, 2660
swamps, Australian Northern Territory 1088
- Aedes vittatus**, chikungunya virus, transmission 905
- Aeypceros melampus**
Ixodes neitzii, Zimbabwe 3156
Rhipicephalus, Botswana 1195
- Aereites melanopterus**, *Monopsyllus forficis*, China 615
- Aerial spraying**
against, Culicidae 1344
insecticides, *Glossina*, cost benefit analysis 2301
- Aerosols**, droplet size, insecticidal action 1273
- Aethomys chrysophilus**, *Ixodes elongatus*, Zimbabwe 3156
- Aethomys chrysophilus chrysophilus**, *Radfordia aethomys*, Namibia 3183
- Aethomys namaquensis**, *Radfordia aethomys*, South Africa 3183
- Africa**
Aedes simpsoni complex 663
Akabane virus, epidemiology 1027
Anopheles 1050
Bacillus spheraeus 668
Calliphoridae 474
Ergasiliidae 1901
Glossina 1120, 1124, 2301
Ixodidae 1208, 1240
livestock, ectoparasites 2273
Mesostoma zariae 1083
Ochodaedae 2168
Rhipicephalus appendiculatus 1230-1231
taxonomy, insects, research 2890
tickborne diseases, books 1289
Trypanosoma 1713
- African swine fever virus**
vectors
Argasidae, detection 1825
arthropods, transmission 1817
Ornithodoros moubata complex, Malawi 3168
Stomoxys calcitrans, mechanical transmission 2701
- Agamermis**, hosts, *Simulium* 2375
- Agenidae**, behaviour, predation 1889
- Ageleopsis aperta**, toxins, characterization 820
- Agency for International Development**, malaria, control 2828
- Agricultural research**
reports
Australia 220
Canada 578
- Agriculture**, Culicidae, reviews 35
- Agritius nigricornis**, distribution, Chile 2413
- Agrotis infusa**, man, allergies 1511
- AI3-29785** (see *N-[[(3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide)*
- AI3-29832** (see *N-[[(3,5-Dichloro-4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide)*
- AI3-63764** (see 2,6-Difluoro-N-[[4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide)
- AIDS** (see also Human immunodeficiency virus)
- Air transport**, diseases, spread 2827
- Aix sponsa**, *Orchopeas howardi*, Illinois 613
- Ajuga reptans**, extracts, *Periplaneta americana* 2515
- Akabane virus**
epidemiology, Africa 1027
- Akabane virus** cont.
vectors, *Culicoides schultzei*, Japan 447
wild animals 1027
- Akar** (see Chlorobenzilate)
- Akodon arviculoides**, Siphonaptera, Brazil 30
- Alagoas virus**
epidemiology, Colombia 2370
vectors, *Lutzomyia*, transmission 2370
- Alarm pheromones**
Messor galla 3104
Vespa squamosa 2762
- Albionella centrosyllii**, taxonomy, identification 1899
- Albionella fabricii**
Centrostylum fabricii, Atlantic Ocean 1899
taxonomy, new species 1899
- Aldicarb** (2-methyl-2-(methylthio)propanal O-[(methylamino)carbonyl]oxime)
man, effects 1282
toxicity, *Culex pipiens* 2050
- Aldrin** ((1 α ,4 α ,4 β ,5 α ,8 α ,8 β -)1,2,3,4,10,10-hexachloro-1,4,4a,5,8a-hexahydro-1,4:5,8-dimethanonaphthalene)
blood-meals, effects, *Culex pipiens* 245
effects, *Clarias batrachus* 1279
metabolism, laboratory animals 1955
resistance, *Culex pipiens* 2059
- Alella tarakii**
Cheilodactylus macropterus, Pacific Ocean 1262
taxonomy, new species 1262
- Aleochara**
America 3114
hosts, *Musca autumnalis* 948
Nebraska 948
prey, *Haematobia thirouxi* 3011
taxonomy, revision 3114
- Aleochara verna**, hosts, *Scathophaga stercoraria* 2755
- Algeria**, *Pollenia luteovillosa* 1394
- 1-Alkoxy-8-benzoyloxy-2,6-octadienes**, effects, Culicidae 1528
- 3-Alkythiophenyl alkanesulfonates**, toxicity, insects 3296
- Allactaga sibirica**, *Androlaelaps fahrenholzi*, China 1479
- Allergens**
Acrididae, characterization 2754
Apis mellifera, enzymes, purification 2162
Blattaria, characterization 2508
Chironomidae 1166
characterization 3069
haemoglobin, characterization 2120
Cladotanytarsus lewisi, characterization 966
- Dermatophagoides**
antigen antibody reactions 2807
beds 3198
characterization 1251
detection 1862
dwellings
Maryland 1249
Virginia 3190
ELISA 360
guinea pigs, effects 1247
mice 547
monoclonal immunoassays 337
radioimmunoassay 2805
- Dermatophagoides farinae** 351
characterization 359, 2218
ELISA 2802
- Dermatophagoides pteronyssinus** 799, 1474, 1877
characterization 1476, 1860, 1867, 1869, 2803
gene sequences 546
man
effects 1475
immune response 1019-1020
release, kinetics 1870
sampling 2804
standards 1252, 2217
- Dolichovespula maculata**, venoms 1176
dwellings, sampling 1925
house dust 1512-1513
bacteriosorbent test 804
- Allergens** cont.
house dust cont.
detection 805
- Lepidoglyphus destructor**, characterization 1473
- Musca domestica**, detection, RAST 3022
nomenclature 845
- Polistes**, albumin, copolymers 2155
storage mites, cross reactivity 2445
- Triatoma**, cross reactivity 2941
Triatoma protracta, characterization 2524
- Triatominae**, RAST 2523
- Vespidae**
venoms
characterization 1771-1772
immunology 1773-1774
- Vespa**, ELISA 2747
- Allergies**
Acrididae, man 2754
arthropods, man, treatment 3251
Blattaria, man 1063
Cladotanytarsus lewisi, man 966
- Dermatophagoides**
man 353, 1016, 1021, 1253, 1865, 2811, 3185
diagnosis 1863, 1923
- Dermatophagoides farinae**, man 802, 811, 1015, 3197
- Dermatophagoides pteronyssinus**
man 335-336, 545, 801, 803, 807, 1250, 1474, 1859, 1868, 2221, 3175, 3184, 3187, 3196
diagnosis 1927
- Drosophila melanogaster**, man 1742
house dust mites
man 334, 356, 810, 1487, 1489, 2222
reviews 2219
- insects**
man 1511, 2468
books 2490
- Dermatophagoides pteronyssinus**
man, *Dermatophagoides pteronyssinus* 1488, 1864
storage mites, man 347-348, 354, 358, 1481, 1866, 2220
- Tokunagayusurika akamusi*, man 722
- Allethrin** (2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylate)
detection, gas liquid chromatography 378
piperonyl butoxide, synergism 3027
resistance, *Blattella germanica* 2917
toxicity, *Musca domestica* 3027
- Allo cyclops**, villages, Burkina Faso 1910
- Allosomdin**, characterization 1968
- Alluaudomyia**, zoogeography, Australasia 1373
- Alluaudomyia boucheti**
New Caledonia 1373
taxonomy, new species 1373
- Alluaudomyia exigua**
New Caledonia 1373
taxonomy, new species 1373
- Alluaudomyia melanescens**
New Caledonia 1373
taxonomy, new species 1373
- Alluaudomyia neocaldoniensis**
New Caledonia 1373
taxonomy, new species 1373
- Alluaudomyia pacifica**
New Caledonia 1373
taxonomy, new species 1373
- Alluaudomyia tillierorum**
New Caledonia 1373
taxonomy, new species 1373
- Alopex lagopus**, Trichodectidae, North America 2931
- Alpha-thienyl**, phototoxicity, Culicidae 2567
- Alphitobius diaperinus**
behaviour, locomotion 3124
control
biological control 3110
growth regulators 3112
growth regulators, effects 501, 3121
poultry droppings 3124
Zimbabwe 501

- Alphitobius diaperinus** cont.
poultry housing
Maryland 3112
North Carolina 3110
- Altosiphis portoricensis**, *Amblyomma arianae*, Puerto Rico 1806
- Alsynit** (see Triflumuron)
- Alternanthera philoxeroides**, *Mansonia*, substrates 678
- Alticola strelzowi**, *Paradoxopsyllus scalonae*, USSR 607
- Altosid** (see Methoprene)
- Alugan** (see Bromocyclen)
- Alycus roseus**, prey, entomophilic nematodes 3270
- Amalaraeus penicilliger**
ecology 25
small mammals, USSR 25
- Amblyomma**
cattle, immune response 2173
hosts, Somalia 313
taxonomy, keys 328
Thogoto virus 2248
- Amblyomma americanum**
acaricides, toxicity 3148
antigens, characterization 1818
azadirachtin, effects 1838
biochemistry, salivary glands 323
cattle, losses 166
control
 acaricides 795
 models 1815
dogs, Oklahoma 795
ecdysteroids, effects 1459
ecology
 dispersal 1832
 overwintering 2785
 population ecology 1831
guineapigs
 immunity 311
 resistance 762, 1471
Jamestown Canyon virus, transmission 1629
models, simulation models 1831
Odocoileus virginianus, USA 1815
Oklahoma 2785
Peromyscus leucopus, Maryland 2425
physiology
 aging 787
 endocrine system 1459
 salivary glands 1838
rabbits
 immunity 171
 resistance 1818
Rickettsia, prevalence 1803
sampling 1188
small mammals, Tennessee 1832
Theileria cervi 3161
ultrastructure, foveal glands 2189
USA 1803, 1831
woodlands, Oklahoma 1188
- Amblyomma arianae**
Altosiphis portoricensis, Puerto Rico 1806
 taxonomy, new species 1806
- Amblyomma astrion**, cattle, Sao Tome and Principe 3173
- Amblyomma cajennense**
acaricides
 resistance 2185
 toxicity 3148
cattle
 Brazil 187
 Venezuela 186
domestic animals, Brazil 315
livestock, Caribbean 2185
- Amblyomma calcaratum**, *Tamandua tetradactyla*, Argentina 327
- Amblyomma cohaerens**, cattle, liveweight gains 1243
- Amblyomma gemma**, livestock, Saudi Arabia 2187
- Amblyomma hebraicum**
biology, development 1464
cattle
 Botswana 1194
 liveweight gains 1242
 pest resistance 990
 South Africa 2423
 Zimbabwe 309, 1214
control, acaricides 309, 1214, 2423
- Amblyomma hebraicum** cont.
Cowdria ruminantium 1194
ecology 1466
 seasonal abundance 999
game birds, South Africa 1308
goats, injuries 999
livestock, odours, attractants 989
physiology, ecdysteroids, metabolism 2427
population ecology, simulation models 1220, 1223
ruminants, South Africa 999
sampling 1466
South Africa 990
tickborne diseases 1214
toxins, biochemistry, kinetics 3149
ultrastructure, salivary glands 1464
woodlands, Zimbabwe 989
- Amblyomma integrum**
cattle, India 2417
Theileria annulata, transmission 2417
- Amblyomma lepidum**
cattle, Sudan 1215
tickborne diseases 1215
- Amblyomma limbatum**
behaviour, mating behaviour 2193
predators 3152
Trachydosaurus rugosus
 Australia 2193
 South Australia 3152
- Amblyomma maculatum**, acaricides, toxicity 3148
- Amblyomma neumannii**
distribution, Colombia 328
horses 328
- Amblyomma nodosum**
distribution, Argentina 326
Tamandua tetradactyla 326
- Amblyomma testudinarium**, buffaloes, India 1456
- Amblyomma triguttatum triguttatum**, biology, environmental factors 788
- Amblyomma variegatum**
acaricides, resistance 515, 1212, 2185
cattle
 Africa 1191
 Burundi 1209, 1229
 Cameroon 518, 1843
 Kenya 1237
 liveweight gains 1243
 Malawi 1213
 Tanzania 1210-1211
 Zambia 515, 1212, 1239, 2767
Congo virus 781
control
 acaricides 1210-1211, 1843, 2767
 cost benefit analysis 1239
Cowdria ruminantium, infection 2768
ecology
 distribution 1210
 environmental factors 1229
 phenology 518
guineapigs, immunization 535
livestock
 Caribbean 2185
 Saudi Arabia 2187
 Senegal 519
population ecology, simulation models 1220, 1223
rabbits, resistance 3151
Theileria mutans, transmission 1237
Theileria parva 1211
tickborne diseases 1212-1213
 transmission 518
West Africa 781
- Amblyospora**
ELISA, identification 2272
hosts
 Acanthocyclops vernalis, infectivity 2063
 Culex salinarius 2272
 Culicidae 2576, 2616
 prevalence 2565
intermediate hosts, Copepoda 2616
- Amblyospora dyxenoides**
biology 1647
hosts, *Culex annulirostris* 1647
taxonomy, new species 1647
- Amblypygi**, Australia, catalogues 2883
- Aminocarb** (4-(dimethylamino)-3-methylphenyl methylcarbamate)
- Amblypygi**, Australia, catalogues cont.
analysis 2280
toxicity, aquatic insects 2995
- Amiota variegata**, man, Italy 871
- Amitraz** (*N'*-*(*2,4-dimethylphenyl*)*-*N*-[*(*2,4-dimethylphenyl*)*imino]methyl*-**N*-methylmethanimidamide)
against
 Cheyletiella blakei 1885
 Chorioptes bovis 2806
 Demodex canis 341, 3212
 Demodex cati 2813
 ectoparasites 200
 Haematoptinus suis 2936
 Sarcopeltis scabiei 197
 Sarcophagidae 345
effects, dogs 2478
toxicity, *Amblyomma maculatum* 3148
- Amitrole**, effects, insects 3082
- Ammonia**, attractants, *Sepsis violacea* 959
- Amorphacarus hengererorum**, *Sorex*, New York 3194
- Amorphacarus yezoensis**
Sorex unguiculatus, Asia 808
 taxonomy, new species 808
- Amphibians**, Culicidae, Argentina 1650
- Amphipsylla longispina gongheensis**
rodents, China 610
 taxonomy, new subspecies 610
- Amyrsidea steineri**
Crax alector, Venezuela 14
 taxonomy, new species 14
- Anabaena**
insecticides
 effects 1533
 uptake 2867
- Anabaena oryzae**, malathion, degradation 1965
- Anabas testudineus**
insecticides, effects 2295
Lernaea, Philippines 3231
 lindane, effects 858
- Anaemia**, Ixodidae, dogs, treatment 2787
- Analytical methods**, insecticides 3293
- Ananteris luciae**, taxonomy, males 2236
- Anaphlebotomus**, taxonomy, synonyms, *Abonnencius* 2086
- Anaplasma**
vectors
 Ixodidae
 Sudan 1215
 transmission 518
 Ixodoidea 314
- Anaplasma centrale**
vectors
 Ixodidae
 Malawi 1213
 transstadial transmission 2422
- Anaplasma marginale**
buffaloes, India 1456
culture techniques 1847
- Dermacentor variabilis**, cell lines, infection 1847
vectors
 Boophilus microplus 511-512
Dermacentor andersoni, transmission 2197
Dermacentor variabilis, overwintering 2178
 Ixodidae
 Burundi 1209
 Malawi 1213
 Zimbabwe 1214
- Anas platyrhynchos**
carbofuran, effects 1964
Lagenidium giganteum, effects 3260
- Anatomy**
Calliphora vicina, nervous system 2725-2726
Chironomus riparius, midgut 3037
Lepidoptera, books 3346
Periplaneta americana, nervous system 2512
- Anatopynia**
phytotelmata, Indonesia 1054
prey, insects 1054
- Anatopynia pennipes**
ecology, predator-prey relationships 390
prey, *Chironomidae* 390
Queensland 390

- Anax junius*, fenoxycarb, effects 2853
Anchoa mitchilli, *Nerocila acuminata*, Gulf of Mexico 2244
Andaman and Nicobar Islands, aquatic organisms, checklists 1055
Andorra, *Cheiracanthium* 3218
Androctonus amoreuxi, venoms, effects, laboratory animals 2822
Androctonus australis
 behaviour, activity 1496
 Egypt 550
 man, stings 550
 toxins, nervous system, binding sites 1024
Androctonus australis hector
 physiology, nervous system 2446
 toxins
 antigenicity 2229, 3226
 monoclonal antibodies 2815
 peptides, synthesis 2820
 purification 1495
 toxicity
 arthropods 1258
 insects 2814
 venoms, characterization 361, 1494
Androlaelaps casalis, Omsk haemorrhagic fever virus, transmission 1047
Androlaelaps fahrenholzi
 ecology, environmental factors 1479
 small mammals, China 1479
Tatera indica, Kuwait 2909
Androlaelaps geomys, rodents, New Mexico 585
Androlaelaps guimaraesi, mammals, Brazil 1558
Angola, *Glossina* 1120
Anguilla, *Aedes aegypti* 1655
Animal diseases, Ixodoidea, reviews 185
Animal housing, Diptera, German Federal Republic 748
Animals, organophosphorus pesticides, toxicity 219
Anisops deanei, predators 1298
Anisoptera, prey, *Anopheles* 688
Anisopus fenestratus (see *Sylvicola fenestratus*)
Ankylohelea, taxonomy, new genus 2080
Ankylohelea montana
 South Africa 2080
 taxonomy, new species 2080
Anocentor nitens
 acaricides, toxicity 3148
Babesia, transmission 1844
 biology, development 2184
 cattle, Brazil 187
 genetics, chromosomes 2184
 horses 1844
Anoetidae
 livestock housing, Czechoslovakia 544
 phytotelmata, Indonesia 1054
Anolis carolinensis
Culex, Florida 2557
Schellackia golvani 1355
Anopheles
 Africa, books 1050
 biochemistry, enzymes 1658
 control 1976, 2608
 genetic control 1607, 2076
 insecticides 2334
 Iran 2588
 microbial pesticides 1085
 mosquito nets 1668
 distribution, India 673
 estimation, population parameters 392
 filariids 1976
 identification, audiovisual aids 1613, 2344
 insecticides, resistance 2588
 man
 Gambia 1668
 India 235
 South Africa 2976
 USSR 625
 Papua New Guinea 392
Plasmodium 1607
 detection 2658
 transmission 1668
 models 2949
Plasmodium falciparum 2077
Plasmodium vivax, transmission 241
 predators 674, 1082
- Anopheles cont.*
 taxonomy, keys 1050
 UK 2876
Anopheles aconitus
 man, Indonesia 2333
Plasmodium, transmission 2333
Anopheles albimanus
Bacillus thuringiensis, toxins, toxicity 2644
 behaviour, feeding behaviour 1368
 control
 insecticides 1633, 1638
 microbial pesticides 2614
 dwellings, Mexico 1633, 1638
 genetics, enzymes 73
 growth regulators, effects 2577
 Guatemala 2353
 insecticides, resistance 2353
 microbial pesticides, efficacy 2603
Anopheles albitalaris
 Argentina 1650
 blood-meals 1650
 Brazil 1333
Plasmodium, transmission 1333
Anopheles annularis
 control, insecticides 2030
 India 2338, 2544
 man, India 2030
Plasmodium falciparum 2030
Anopheles annulipes complex
 Australia 49
 ecology 49
 genetics, chromosomes 48
Plasmodium, transmission 49
Anopheles aquasalis
 Brazil 1333
Plasmodium, not infective 1333
Anopheles arabiensis
 control, biological control 2973
 Djibouti 2973
 DNA probes 255, 429, 901
 ecology, population ecology 686
 genetics
 enzymes, genetic variation 2042
 sterility 1359
 Kenya 686
Plasmodium, transmission 686
Plasmodium falciparum, transmission 2973
 villages, Kenya 2042
Wuchereria bancrofti, infection 2635-2636
Anopheles atroparvus, entomopathogenic bacteria, pathogenicity 37
Anopheles baezai, Guam 2569
Anopheles balabacensis
 control 432
 man, Malaysia 432, 2963
Plasmodium falciparum
 transmission 432
 vectorial capacity 2963
Anopheles balabacensis balabacensis
 control, insecticides 2030
 man, India 2030
Plasmodium falciparum 2030
Anopheles balabacensis complex
 Burma 1371
 taxonomy, cytobotany 1371
Anopheles bancroftii
 Australia 49
 ecology 49
 seasonal abundance 1088
Plasmodium, transmission 49
 swamps, Australian Northern Territory 1088
Anopheles barberi
 ecology, drought, survival 2049
 rearing techniques 2605
 tree holes
 Florida 2049
 USA 2605
Anopheles barbirostris, Guam 2569
Anopheles bradleyi, Rift Valley fever virus, transmission 1093
Anopheles crawfordi, distribution, India 673
Anopheles crucians
 behaviour, flight 2586
 ecology
 environmental factors 2612
 size 2624
- Anopheles crucians cont.*
 Florida 2586
 rice fields, Louisiana 2612
 Rift Valley fever virus, transmission 1093
 salt marshes, Louisiana 2624
Anopheles culicifacies
 control, insecticides 70, 2543
 genetics, enzymes 1357
 India 70, 2338
 insecticides
 resistance 2064
 susceptibility 2077
Plasmodium
 India 2544
 transmission 2338, 2543
Plasmodium vivax, infectivity 2029
 villages, India 2064, 2077, 2543
Wuchereria bancrofti, infection 1641
Anopheles culicifacies complex
 ecology, seasonal abundance 672
 genetics, hybridization 2961
Plasmodium 672
 villages, India 672
Anopheles darlingi
 behaviour, host-seeking behaviour 2597
 Brazil 1333
 dwellings, Brazil 2597
Plasmodium, transmission 1333
Anopheles dirus
 behaviour, mating behaviour 1623, 2602
 biochemistry, chemical composition 924
 Burma 1371
 distribution, India 673
 genetics
 cytogenetics 928
 sex chromosomes, markers 2602
 man, Thailand 2574
 morphology, eggs 924
Plasmodium, transmission 2574
Plasmodium cynomolgi, survival 2541
Plasmodium inui, infection 2340
Plasmodium yoelii, infection 435
 taxonomy
 cytobotany 1371
 sibling species 928
 Thailand 928
Anopheles ethiopicus
 Ethiopia 1050
 taxonomy, new species 1050
Anopheles farauti
 behaviour
 biting rates 659
 dispersal 1099
 ecology 1645
 survival 1615
 man
 Papua New Guinea 659, 1615, 1645
 Queensland 2609
 Vanuatu 2335
 Papua New Guinea 1099, 2547
Plasmodium
 detection, ELISA 2547
 transmission 2335
 repellents 2609
Anopheles farauti complex
 Australia 49
 ecology 49
Plasmodium, transmission 49
 Queensland 2615
 salinity, tolerance 2615
Anopheles flavirostris
 man, Malaysia 2963
Plasmodium falciparum, vectorial capacity 2963
Anopheles fluminensis, *Plasmodium falciparum*, Peru 2594
Anopheles fluviatilis
 distribution, India 673
 India 2544
Anopheles franciscanus (see *A. pseudopunctipennis franciscanus*)
Anopheles freeborni
 Aotus 1665
 control 1366
 biological control 2622
 genetics, hybridization 239
Plasmodium falciparum, transmission 1665
Plasmodium vivax, infectivity 2029

- Anopheles freeborni* cont.
rice fields
 California 2622
 USA 1366
- Anopheles funestus*
ecology, population ecology 686
Kenya 686, 2067, 2343
Plasmodium, transmission 686
- Plasmodium falciparum*
Burkina Faso 2971
detection 2343
infection 2067
Madagascar 2970
Wuchereria bancrofti, infection 2635-2636
- Anopheles gambiae*
Bacillus sphaericus, toxins, enzymes 687
Bacillus thuringiensis, toxins, toxicity 1268
biotechnology, DNA introduction 251
cell lines
 Bacillus sphaericus, toxins, toxicity 687
Bacillus thuringiensis, toxins, toxicity 1268, 2470
Trypanosoma, development 2967
control, microbial insecticides 668
distribution, Comoros 1630
DNA probes 255, 429, 901
ecology, population ecology 686
entomogenous fungi 2044
 pathogenicity 2043
genetics
 chromosomes 631
 enzymes 1630
 sterility 1359
Kenya 686
Madagascar 2970
man, Nigeria 2977
Plasmodium
 selection, refractoriness 2336
 transmission 686
- Plasmodium falciparum*
detection, ELISA 2971
infection 2656
pools, Kenya 2044
taxonomy, identification 1630
Wuchereria bancrofti
 infection 2635-2636
 transmission 2977
- Anopheles gambiae* complex
Kenya 2067, 2343
Plasmodium falciparum
detection 2343
infection 2067
- Anopheles killi*
Australia 49
ecology 49
 seasonal abundance 1088
Plasmodium, transmission 49
swamps, Australian Northern Territory 1088
- Anopheles hyrcanus sinensis* (see *A. sinensis*)
- Anopheles indefinitus*, Guam 2569
- Anopheles jeyporiensis*, India 2544
- Anopheles koliensis*
ecology 1645
man, Papua New Guinea 1615, 1645
Papua New Guinea 2547
Plasmodium, detection, ELISA 2547
- Anopheles kweiyangensis*
Brugia malayi, transmission 57
China 57
- Anopheles labranchiae*
control 415
Plasmodium 415
Tunisia 415
- Anopheles lesteri*, Guam 2569
- Anopheles lesteri anthropophagus*
Brugia malayi, vectorial capacity 1339
China 438
control, mosquito nets 2066
man, China 55, 1339
Plasmodium, transmission 55
villages, China 2066
- Anopheles lindesayi japonicus*, biochemistry, enzymes 1658
- Anopheles litoralis*, Guam 2569
- Anopheles lounibosi*
Kenya 1050
taxonomy, new species 1050
- Anopheles maculatus*
behaviour, mating behaviour 2602
control, insecticides 2030
genetics
 genetic divergence 2556
 sex chromosomes, markers 2602
man
 India 2030
 Thailand 2574
Plasmodium, transmission 2574
Plasmodium falciparum 2030
taxonomy, identification 2556
Thailand 2556
- Anopheles maculipennis*
control, microbial pesticides 629
man, Italy 871
USSR 629.
- Anopheles maculipennis* complex
behaviour, haematophagy 1101
buildings, Romania 51
control, insecticides 51
Sweden 1101
- Anopheles melas*
DNA probes 255, 429
Wuchereria bancrofti, infection 2635-2636
- Anopheles meraukensis*
Australia 49
ecology 49
Plasmodium, transmission 49
- Anopheles merus*
DNA probes 255
ecology, population ecology 686
Kenya 686
Plasmodium, transmission 686
- Anopheles messeae*
control, microbial pesticides 621
USSR 621
- Anopheles minimus*
China 53
distribution, India 236
man
 China 55
 Thailand 2574
Plasmodium, transmission 53, 55, 2574
taxonomy
 isoenzymes 657
 isozymes 439
- Anopheles multicolor*
hosts, Egypt 1627
Rift Valley fever virus, transmission 254
urban areas, Egypt 2025
- Anopheles nigerrimus*
entomogenous fungi 2576
Malaysia 2576
- Anopheles nili*, *Plasmodium falciparum*, Burkina Faso 2971
- Anopheles nivipes*
man, Thailand 2574
Plasmodium, transmission 2574
- Anopheles novaguineensis*
Australia 49
ecology 49
Plasmodium, transmission 49
- Anopheles nuneztovari*
Brazil 1333
Plasmodium, transmission 1333
Plasmodium falciparum, Peru 2594
- Anopheles occidentalis*, genetics, hybridization 239
- Anopheles oswaldoi*
Brazil 1333
Plasmodium, transmission 1333
Plasmodium falciparum, Peru 2594
- Anopheles peditaenius*
ecology, population ecology 688
predators 688
rice fields, Thailand 688
- Anopheles perplexans*, distribution, Michigan 2580
- Anopheles pharoensis*, Rift Valley fever virus, transmission 254
- Anopheles philippinensis*
control, insecticides 2030
man, India 2030
Plasmodium falciparum 2030
- Anopheles pseudopunctipennis*, *Plasmodium falciparum*, Peru 2594
- Anopheles pseudopunctipennis franciscanus*
control, biological control 2622
rice fields, California 2622
- Anopheles pulcherrimus*
India 2338
insecticides, susceptibility 36
Iraq 1609
Plasmodium, transmission 1609, 2338
USSR 36
- Anopheles punctipennis*
Alabama 2573
ecology, breeding places 617
physiology, feeding 2953
Spiroplasma, prevalence 2573
standing water, North Carolina 617
- Anopheles punctulatus*
ecology 1645
man, Papua New Guinea 1645
Papua New Guinea 413, 2547
Plasmodium, detection, ELISA 2547
Wuchereria bancrofti, infection 413
- Anopheles quadriannulatus*, DNA probes 255
- Anopheles quadrimaculatus*
Bacillus thuringiensis, toxins, toxicity 2644
behaviour, feeding behaviour 1368, 1522
Brugia pahangi, infection 2542
control 1366
 microbial pesticides 2614
ecology, environmental factors 2612
genetics
 chromosome maps 2564
 chromosome polymorphism 2952
 DNA sequences 2051
 genetic sexing strains 412
growth regulators, effects 2577
insecticide resistance 412
morphology, mouthparts, larvae 1652
pesticides, toxicity 2592
physiology, immune system 2542
Plagiorchis noblei, susceptibility 2561
rice fields
 Arkansas 2619
 Louisiana 2592, 2612
 USA 1366
sampling, population density 2619
taxonomy, sibling species 929
USA 2952
- Anopheles rangeli*, *Plasmodium falciparum*, Peru 2594
- Anopheles sacharovi*
control, microbial pesticides 629
entomopathogenic bacteria, pathogenicity 37
Iraq 1609
Plasmodium, transmission 1609
USSR 629
- Anopheles sergentii*
control 415
ecology, life tables 2570
hosts, Egypt 1627
Plasmodium 415
 vectorial capacity 2570
rearing techniques 2570
Tunisia 415
urban areas, Egypt 2025
- Anopheles sinensis*
Bacillus sphaericus, toxins, toxicity 1340
biology
 diapause 61
 reproduction 437
Brugia malayi
 infectivity 2339
 vectorial capacity 1339
China 53, 60, 639, 1097, 1337-1338
control 1338
 barriers 1096
 insecticides 1622
 integrated control 440
 microbial pesticides 2054
 mosquito nets 2066
ecology
 parous rates 60
 population ecology 688
entomogenous fungi 2576

- Anopheles sinensis* cont.
 entomophilic nematodes, infectivity 1097
 genetics, chromosomes 639
 Guam 2569
 insecticides, resistance 252
 Malaysia 2576
 man, China 55, 436, 440, 1339
 physiology, flight, sounds 2062
Plasmodium, transmission 53, 55
Plasmodium vivax
 infection 1337
 transmission 440, 1338, 1622
 predators 688
 rice fields
 China 1096
 Thailand 688
 sampling 436
 villages, China 1622, 2066
- Anopheles stephensi*
Bacillus sphaericus, pathogenicity 1931
Bacillus thuringiensis
 pathogenicity 421
 toxins, toxicity 3269
Brugia pahangi, susceptibility 2041
 control
 growth regulators 417
 microbial pesticides 2614
cylfluthrin, toxicity 418
deltamethrin, effects 1610
 dwellings, India 675
 ecology 77
 seasonal abundance 675
 entomopathogenic bacteria 619
 pathogenicity 37, 78
 fenvalerate, resistance 69
 genetics
 chromosomes 632
 enzymes, genetic variation 2958
 genetic sexing 633, 1095
 mutations 1090
 growth regulators
 effects 1528
 toxicity 68
 India 77, 2338
 insecticides, resistance 900
 Iraq 1609
Lagenidium giganteum, pathogenicity 411
 malathion, resistance 246
 Pakistan 2958
 physiology, digestive system 1106
Plasmodium 77, 675
 transmission 1609, 2338
Plasmodium berghei, infection 619, 1666, 2654
Plasmodium chabaudi, infection 2540
Plasmodium cynomolgi, infection 2947
Plasmodium falciparum
 detection, ELISA 2968
 infection 2656, 2978
Plasmodium malariae, detection, ELISA 1091
Plasmodium yoelii, infection 1610
 predators 909
- Anopheles subalpinus*
 control, microbial pesticides 629
 USSR 629
- Anopheles subpictus*
 arboviruses, India 419
Coelomomyces indicus, pathogenicity 423
 control, microbial pesticides 426
 dwellings, India 675
 ecology 77
 Guam 2569
 India 77, 2338
 plantations, India 426
Plasmodium 77
 rice fields India 423
- Anopheles sundaiicus*
 control, insecticides 667
 Indonesia 667
- Anopheles superpictus*
 insecticides, resistance 624
 Iraq 1609
Plasmodium, transmission 1609
 USSR 624
- Anopheles tessellatus*
 Guam 2569
Plasmodium vivax, infectivity 2974
- Anopheles triannulatus*
 Brazil 1333
Plasmodium, transmission 1333
- Anopheles trinkae*, *Plasmodium falciparum*, Peru 2594
- Anopheles vagus*
 dwellings, India 675
 Guam 2569
- Anopheles vaneedeni*
 South Africa 1050
 taxonomy, new species 1050
- Anopheles yatsushiroensis*
Brugia malayi, transmission 57
 China 57
- Anophelinea*
 Brazil 1263
 control, cost benefit analysis 3
Plasmodium 1263
- Anoplura*
 books 577
 cattle, reviews 1304
 control, insecticides 2
 domestic animals, India 2
 livestock, reviews 1306
 mammals, Brazil 1558
 pigs, reviews 1307
Procavia capensis, South Africa 2310
 red deer, skin diseases 1989
Rickettsia 555
Rickettsiaceae 554
 small mammals, USSR 587
 wild animals, South Africa 870
- Anoura caudifera*, *Spelaeorhynchus huttoni*, Brazil 2810
- Antarctic Ocean*, *Gnathia calva* 3229
- Antarctica*, *Ixodes uriae* 2786
- Antelopes*, *Aedes circumtuleolus*, blood-meals 2553
- Antheraea eucalypti*, cell lines, *Spiroplasma mirum*, propagation 1003
- Anthomyiidae*
 cattle dung, Bulgaria 1390
Enterobacteriaceae, transmission 1161
 human faeces, Romania 1161
- Anthracene*, phototoxicity, Culicidae 2567
- Anthrax* (see also *Bacillus anthracis*)
- Anthrenus verbasci*, man, allergies 1511
- Antibacterial agents*, effects, *Glossina morsitans* 2095
- Antidorcas marsupialis*
Hyalomma, South Africa 1197
Ixodes rubicundus, paralysis 527
- Antigens*
Amblyomma americanum, characterization 1471, 1818
Dermatophagoides pteronyssinus 1877
 assays 1488
Rhipicephalus appendiculatus, characterization 1824
- Antigua*, *Aedes aegypti* 1655
- Antilope cervicapra*, *Sarcopetes scabiei*, skin diseases 538
- Antimora rostrata*, *Lophourea tetraphylla*, Atlantic Ocean 3232
- Antivenoms*
 treatment
Loxosceles reclusa, bites 831
 Scorpiones, stings 818-819
- Anystidae*, taxonomy 188
- Aotus*, *Plasmodium falciparum* 1665
- Aphaereta pallipes*
 hosts
Musca autumnalis 948
Musca domestica 478
Ravinia ventricosa 2755
 Nebraska 948
 poultry housing, Indiana 478
- Aphanian dispar*
 against
Anopheles arabiensis 2973
Culicidae 2649
- Aphodiinae*
 cattle dung, Australia 3068
 sampling 3068
- Aphodius*
 cattle dung, Europe 157
 ecology 157
 taxonomy, revision 974
- Aphodius caprai*
 Africa 974
- Aphodius caprai* cont.
 taxonomy, new species 974
- Aphodius erraticus*
 cattle dung 155
 distribution, Georgia 155
- Aphodius haemorrhoidalis*, cattle dung, Nebraska 1173
- Aphodius hammondi*
 China 974
 taxonomy, new species 974
- Aphodius pittinoi*
 sheep droppings, Greece 1775
 taxonomy, new species 1775
- Aphodius stefenellii*
 Africa 974
 taxonomy, new species 974
- Aphodius subterraneus krasnojarskicus*
 taxonomy, new subspecies 974
 USSR 974
- Aphonopelma*, venoms, characterization 827
- Aphonopelma seemanni*, venoms, characterization 827
- Apidae*
 behaviour, communication, semiochemicals 2161
 man
 allergies 2468
 hypersensitivity 1438, 2407, 2459,
 3094
 stings 159, 549, 1790
 protection 2409
 morphology, venom apparatus 1430
 venoms, reviews 2408
- Apis*, man, hypersensitivity 754
- Apis cerana*
 Pakistan 753
 predators 753
- Apis mellifera*
 allergens, enzymes, purification 2162
 biochemistry
 sterols 3132
 sting apparatus, hydrocarbons 1447
 biology, books 1542
Lagenidium giganteum, pathogenicity 3260
 man
 hypersensitivity 160, 300-301, 306,
 976, 984, 1172, 1177, 2156,
 2158, 2167, 2750-2751, 3093,
 3252
 diagnosis 1770, 2469
 immunotherapy 2153-2154,
 2157, 2749
 skin tests 3100
 treatment 3249
 stings 505-506, 510, 755
 treatment 1922
- Pakistan 753
 predators 753
 royal jelly 977-979
 toxins, structure 1186
 venoms 162
 biochemistry 1435
 characterization 1183, 2759
 immunoglobulins 1768
 immunotherapy 160, 301, 505-506
 liquid chromatography 307
 man, immunotherapy 976
 phospholipase A₂
 determination 1987
 IgE 2158
 inactivation 3106
 reviews 1765
- Apis mellifera scutellata*
 biology, reviews 3101
 man, stings 1184
 Trinidad and Tobago 1184
- Apis mellifica* (see *A. mellifera*)
- Apocheilus lineatus*, prey, Culicidae 674
- Apocheilus panchax*, prey, Culicidae 674
- Apodemus*, *Haemogamasus*, Korea Republic 2209
- Apodemus agrarius*, ectoparasites, Italy 588
- Apodemus flavicollis*, tickborne encephalitis virus, Europe 1541
- Apodemus sylvaticus*, *Multisetosa sylvatica*, China 3178
- Apodemus sylvaticus orestes*, *Leptotrombidium*, China 1478

- Apodemus tauricus, Zerconopsis remiger.** Poland 3204
- Aponomma hydrosauri** behaviour, mating behaviour 2193 predators 3152
- Trachydosaurus rugosus** Australia 2193 South Australia 3152
- Aponomma latum**, snakes, ectoparasitoses 2791
- Aprostocetus hagenowii** biology, development 1992 hosts Blattaria 1314 Periplaneta americana 1992 rearing techniques, mass production 1314
- Aquatic arthropods**, Trichomycetes 455
- Aquatic communities**, temephos, effects 2851
- Aquatic insects** behaviour, flight 1546 Denmark 1546 ecology, urbanization 1983 streams, islands 1055 techniques, collection 2501
- Aquatic invertebrates** pesticides, effects 1538 streams, water pollution 2903-2904 teflubenzuron, effects 2964
- Aquatic organisms** copper, toxicity 567 fenoxycarb, effects 2853 fenvaleate, effects 1963 Halacaridae, reviews 1856 insecticides, effects 865
- Arabian Peninsula**, insects, books 218
- Arachnida**, Australia, catalogues 2883
- Araneae** Australia, catalogues 2883 behaviour, predation 1889 control, pesticides 1892 entomogenous fungi 3228 man, bites 549, 844, 1492-1493, 1892 pets, books 3338 predators 837, 2231, 2414 prey Anopheles 688 arthropods 4 venoms, collection 829
- Araneidae**, behaviour, predation 1889
- Araneomorphae**, Australia, catalogues 2883
- Araneus gemma**, venoms, characterization 1259
- Aratinga canicularis**, Rhytidelasma bicostata, America 3195
- Aratinga holochlora**, Rhytidelasma, Mexico 1483
- Aratinga nana**, Rhytidelasma bicostata, America 3195
- Arbia virus**, vectors, Phlebotomus, Italy 1110
- Arboviruses** catalogues, books 3350 epidemiology, Australia, reviews 1508 structure, reviews 2453 vectors Culex, transmission 1361 Ixodoidea 314
- Archaeopsylla erinacei** Erinaceus europaeus, German Federal Republic 889 man, bites 889
- Ardeola ibis** (see *Bubulcus ibis*)
- Argas** diseases, reviews 185 hosts, Somalia 313 Italy 185
- Argas africolumbae**, game birds, South Africa 1308
- Argas arboreus** physiology, digestion 3154 ultrastructure lateral organs 775 Malpighian tubules 2779 midgut 3154
- Argas brumpti**, hosts, Zimbabwe 3155
- Argas confusus**, Chiroptera, Zimbabwe 3155
- Argas gilcolladoi** Gyps fulvus, Spain 516
- Argas gilcolladoi cont.** taxonomy, new species 516
- Argas japonicus** dwellings, China 533, 770 ecology, habitats 770 man, skin diseases 533
- Argas persicus** birds, Italy 164 Borrelia anserina, transmission 2175 Congo virus 781 fowls Egypt 1022 Nigeria 2175 iron naphthenate, toxicity 766 ultrastructure, salivary glands 994 West Africa 781
- Argas robertsi** Bulbulus ibis, Queensland 520 Lake Clarendon virus, transmission 520
- Argas streptopeliae**, game birds, South Africa 1308
- Argas theilerae**, Accipitridae, Zimbabwe 3155
- Argas vespertilionis** Babesia vesperuginis, transmission 3166 Chiroptera, Zimbabwe 3155 Vespertilionidae, UK 3166
- Argas walkerae** fowls, Zimbabwe 3155 game birds, South Africa 1308
- Argas zumpti**, Accipitridae, Zimbabwe 3155
- Argasidae** animal diseases 314 arboviruses, USSR 2452 aviary birds, reviews 1303 cattle, reviews 1304 distribution, Italy 1814 hosts, Somalia 313 livestock, reviews 1306 pigs, reviews 1307 Somalia 314 tickborne diseases models 772 reviews 1001 transmission 2426
- Arge pullata** Denmark 303 sheep, poisoning 303 toxins, characterization 2758
- Argentina** Amblyomma calcaratum 327 Amblyomma nodosum 326 Culicidae 1650 dengue, epidemiology 558 dogs, ectoparasites 1990 Eulinognathus 883 Mansonella ozzardi, epidemiology 2655 Octomyomermis albicans 2253 Picnoseus nigropictus 2756 Psoroptes 2428 Sirthenea 18 Triatoma infestans 1589, 1591
- Argiope aurantia**, man, bites 1493
- Argulus alsae**, Salvelinus fontinalis, New Brunswick 3238
- Aristolochia indica**, extracts, Diptera 2300
- Armigeres** man, India 235 phytotelmata, Indonesia 1054
- Armigeres subalbatus** Bacillus thuringiensis, pathogenicity 444 Brugia, infection 2031, 2979 Brugia pahangi, infection 238 control, mosquito nets 2066 dwellings, India 675 entomopathogenic bacteria 2576 genetics, inheritance 2626 Malaysia 2576 physiology, immune system 238, 2031, 2979
- Armillifer** Cebus capucinus 1900 man, pentastomiasis 2824 reptiles, pentastomiasis 2243
- Arrenurus** hosts Culicidae, prevalence 2565 Mansonnia uniformis 1369
- Arsenic**, resistance, Boophilus 330
- Arsenic trioxide** (see Diarsenic trioxide) toxicity, Amblyomma maculatum 3148
- Arsenicals**, carcinogenicity, laboratory animals 3298
- Artemisia**, chemistry, reviews 1042
- Artemisia vulgaris**, extracts, Diptera 2300
- Arthropod parasites**, wild animals, South Africa 870
- Arthropods** India 215 man, war 1920 pathogens 215 pets, books 3338 phylogeny, books 3347
- Artioidactyla**, Ixodoidea, Somalia 313
- Arvicola terrestris**, Omsk haemorrhagic fever, USSR 1047
- Ascaris lumbricoides**, vectors, Diptera, transmission 954
- Aschersonia aleyrodis**, enzymes, characterization 1525
- Ascogregarina**, hosts, Aedes 2627
- Ascogregarina barretti** against, Aedes triseriatus 1656 hosts, Aedes 2627
- Ascogregarina culicis**, hosts, Aedes 1335
- Ascogregarina taiwanensis**, hosts, Aedes 1335
- Aselliscus tricuspidatus**, Metabinuncus asellisci, New Guinea 190
- Asia** Culicidae, bibliographies 576, 1535 Dermacentor auratus 771
- Aspergillus**, Dermatophagoides pteronyssinus 2800
- Aspergillus flavus**, Musca domestica, interactions 725
- Aspergillus penicilloides**, Dermatophagoides pteronyssinus 1882
- Asses** (see Donkeys)
- Astigmata** control, acaricides 542 pigs, skin diseases 542
- Asuntol** (see Coumaphos)
- Atergatis floridus**, toxins, effects, nervous system 2825
- Athene noctua**, Carnus hemapterus, German Federal Republic 1399
- Atherigona orientalis**, rural areas, Brazil 2394
- Atholus bimaculatus**, distribution, Chile 2413
- Atholus rothkirchi** biology 1762 cattle dung 1762
- Atillax paludinosus**, Ixodes, Zimbabwe 3156
- Atlantic Ocean** Albionella fabricii 1899 fishes, parasites 1905-1906 insects, dispersal 1545 Lophura tetraphylla 3232
- Atlantic salmon** dichlorvos, effects 1902 Lepeophtheirus salmonis, Norway 1902
- Atrax formidabilis**, venoms, effects, rats 815
- Atrax infensus**, venoms, effects, rats 815
- Atrax robustus** toxins, characterization 2237 venoms, effects, rats 815
- Atrax versutus**, toxins, characterization 1891
- Atricholaelaps guimaraesi** (see Androlaelaps guimaraesi)
- Atrichopogon**, Surinam 693
- Atriplex halimus**, Phlebotomus papatasii, Israel 259
- Atroban** (see Permethrin)
- Atropine**, treatment, Scorpiones, stings 818-819
- Atta**, insects as food 3102
- Atylotus** USSR 723 Zambia 2691
- Atylotus bivittatus** cattle, Japan 1743 ecology, seasonal abundance 1743
- Atylotus pulchellus karybenthinus** behaviour 723

- Atylotus pulchellus karybenthinus* cont.
USSR 723
- Atylotus quadrisarius*
 behaviour 723
USSR 723
- Atyploceras nuperus*
 ecology, reviews 1329
 small mammals, Poland 1329
- Audivisual aids**
 Culicidae
 identification 1613, 2344
 preservation 1614
 malaria, epidemiology 1334
- Aujeszky virus*, vectors, *Musca domestica*, transmission 956
- Aulosira fertilissima*
 insecticides
 effects 1533
 uptake 2867
- Aura virus*, taxonomy 1505
- Australia**
Aedes scutellaris complex 2631
Anopheles annulipes complex 48
 Arachnida 2883
 arboviruses, epidemiology 1508
Bluetongue virus, epidemiology 1107
Boophilus microplus 1216
 Calliphoridae 2147
 cattle dung, arthropods 1531-1532
Culex annulirostris 441
Dermanyssus gallinae 2204
 Hymenoptera 2882
Ixodes cornuatus 2780
Linognathus ovillus 1584
Lucilia cuprina 296, 969
 man, arthropods 1257
Megapodiella parkeri 1582
Mesostoma appinum 1083
Monomorium 3117
 Murray Valley encephalitis virus, epidemiology 2831
Musca vetustissima 3068
Myrmecia pilosula 1781
Ommatoiulus moreletii 839
Onitis 757
 Pholcidae 837
 reptiles, Ixodidae 2193
 Australian Capital Territory, *Cnephia pilfreyi* 2992
 Australian Northern Territory
 Anopheles 49
 Culex annulirostris 689
 Culicidae 1088
 Haematopinus eurysternus 2937
 Paederus australis 3113
- New South Wales
 Akabane virus, epidemiology 1372
 Anopheles annulipes complex 49
 Boophilus microplus 2500
 Chrysomya rufifacies 3067
 Culicidae 2628
 Culicoides brevitarsis 1372
 dung beetles 1439
 Ixodidae 1451
 Lucilia cuprina 475, 2145
 Musca vetustissima 136-137
 Odontocarus australiensis 2226
- Queensland
 Aedes aegypti 2643
 Aedes vigilax 428
 Anopheles farauti complex 2615
 Argas robertsi 520
 Boophilus 330
 Boophilus microplus 3146
 Culicidae 2609, 2628, 2660
 Culicomyces bisporalis 2957
 Haematobia irritans 281, 2719
 Ixodidae 1451
 Latrodectus hasseltii 1254
 Mycoptes queenslandicus 3180
 Petaurages mordax 3199
 phytotelmata, fauna 390
 Ropalidia revolutionalis 3098
- South Australia
 agricultural research, reports 220
Calliphora placida 1163
Diplopoda 3230
 Ixodidae 3152
Parasarcophaga crassipalpis 2116
Philopteridae 1580
Sarcopetes scabiei 1472
- Australia** cont.
 Tasmania, *Myrmecia pilosula* 1178
 Victoria
 Anopheles annulipes complex 49
 Austrosimulium colboi 2992
 Culex annulirostris 638
 dung beetles 1439
 Western Australia
 Bovicola ovis 403
 Haemaphysalis longicornis 2500
 Lowryacarus longipes 3181
 Musca vetustissima 742, 744
 Onthophagus 985
- Austria**
 Anystidae 188
 faeces, mites 338
 game animals, parasites 2108
 tickborne encephalitis virus, epidemiology 1541
Trixacarus caviae 1886
- Austrosimulium**
 New Zealand 455
 Trichomycetes 455
- Austrosimulium australense**
 genetics, cytogenetics 263
 New Zealand 263
- Austrosimulium colboi**
 taxonomy, new species 2992
 Victoria 2992
- Autogeny**, *Culex tarsalis* 2621
- Avermectin** (see Abamectin)
Avermectin B₁ (see Abamectin)
Avermectin B_{1a} (see Abamectin)
 Avermectins, reviews 2475
- Aviary birds**
 ectoparasites, reviews 1303
 parasites, reviews 2311
- Avicularia**, physiology, muscles 1255
- Azadirachta indica**
 chemistry, reviews 1272
 extracts
 Diptera 2300
 insects 3331
 salannin, isolation 3334
- Azadirachtin**
 chemistry, reviews 1272
 effects
 Amblyomma americanum 1838
 Rhyparobia maderae 880, 1320
 purification, chromatography 3327
 structure
 crystallography 3332
 nuclear magnetic resonance 3333
- Azolla filiculoides*, against, Culicidae 1096
- Azolla imbricata*, *Anopheles*, mortality 688
- Babanki virus**, taxonomy 1505
- Babesia**
 vectors
 Ixodidae
 Sudan 1215
 transmission 518
 Ixodoidea 314
 reviews 1001
Rhipicephalus bursa, transmission 1794
- Babesia argentina** (see *B. bovis*)
- Babesia bigemina**
 buffaloes, India 1456
 vectors
 Boophilus annulatus
 survival 2419
 transvarioral transmission 3158
 Boophilus microplus 511-512
 Ixodidae
 Burundi 1209
 Malawi 1213
 Zambia 1212
 Zimbabwe 1214
- Babesia bovis**
 vectors
 Boophilus annulatus, survival 2419
 Boophilus microplus 511-512
 Ixodidae
 Malawi 1213
 transmission 3165
 Zambia 1212
- Babesia caballi**, vectors, *Anocentor nitens*, transmission 1844
- Babesia canis**, dogs, German Federal Republic 2179
- Babesia divergens**, vectors, *Ixodes ricinus*, Switzerland 3159
- Babesia equi**, vectors, *Anocentor nitens*, transmission 1844
- Babesia gibsoni**, dogs, German Federal Republic 2179
- Babesia microti**
Ixodes dammini, Maryland 2425
 rodents, Rhode Island 2766
 vectors
 Ixodes dammini
 infection 3163
 transmission 317
Ixodes trianguliceps, Switzerland 1793
- Babesia ovata**, vectors, *Haemaphysalis longicornis*, infection 3162
- Babesia ovis**, vectors, *Rhipicephalus bursa*, infection 2174
- Babesia vesperuginis**, vectors, *Argas vespertilionis*, transmission 3166
- Bacdip** (see Quintofos)
- Bacillus**, metabolites, toxicity, *Aedes aegypti* 2263
- Bacillus anthracis**, vectors, Diptera, mechanical transmission 2700
- Bacillus cereus**
Bacillus thuringiensis, plasmids, transfer 1035
 oviposition attractants, *Culex pipiens* 44
- Bacillus sphaericus**
 against
Anopheles sinensis 2054
Culex 1347
Culex quinquefasciatus 634, 677, 910, 1087, 2637
Culex tritaeniorhynchus 2071
 Culicidae 393, 426, 668, 1085, 2473, 2613
Mansonia 915
 biotechnology 3271
 reviews 2473
 clones, reviews 3257
Culex pipiens, pathogenicity 679
 culture techniques 43, 420, 2264
 mutants 422
 effects
 Aedes aegypti 2047
 Culex quinquefasciatus 237
 enzymes, strains, identification 2265
 formulations 910
 controlled release 2637
 efficacy 2613
 evaluation 426
 hosts
 Culex pipiens, pathogenicity 214, 248, 2045
 Culex quinquefasciatus, pathogenicity 43, 420, 422
 Culicidae 619
 pathogenicity 37, 78, 1931, 2641
 India 679
 Israel 248
 nontarget effects 78
 persistence 1347
 proteins
 characterization 848, 1522
 DNA sequences 849
 reviews 668
 sedimentation 214
 taxonomy, serotaxonomy 1931
 toxicity, Culicidae 2592
 toxins
 activation, enzymes 410
 Culex quinquefasciatus, cell lines, pathology 893
 Culicidae
 enzymes 687
 toxicity 1340
 enzymes, effects 851
 genes
 cloning 3267
 DNA sequences 1526
 toxicity
 Culex pipiens 1526
 insects, cell lines 1662
- Bacillus subtilis**, cattle, wounds 2384
- Bacillus thuringiensis**
 against
 Culicidae 244

- Bacillus thuringiensis cont.**
against cont.
 insect pests 2471
 Simulium damnosum complex 1692
biotechnology 3262
 reviews 2471
culture techniques 1515
hosts, *Aedes aegypti*, pathogenicity 620
soils, USA 1935
toxins
 quantitative analysis 1269
 toxicity, insects, cell lines 2470
- Bacillus thuringiensis subsp. *aizawai***
soils, Israel 894
toxins
 characterization 3255
 genes, DNA sequences 1037
 toxicity
 Aedes albopictus, cell lines 2257
 insects, cell lines 1524
- Bacillus thuringiensis subsp. *alesti***, plasmids, biotechnology 565
- Bacillus thuringiensis subsp. *berliner***, toxins, genes, DNA sequences 1270
- Bacillus thuringiensis subsp. *colmari***, toxins, genes, DNA sequences 2256
- Bacillus thuringiensis subsp. *darmstadiensis***
toxins
 modes of action 1033
 toxicity, *Aedes albopictus*, cell lines 2257
- Bacillus thuringiensis subsp. *dendrolimus***, toxins, genes, DNA sequences 1037
- Bacillus thuringiensis subsp. *entomocidus***
soils, Israel 894
toxins, genes, DNA sequences 1037
- Bacillus thuringiensis subsp. *finitimus***, cytoplasmic inclusions 2841
- Bacillus thuringiensis subsp. *israelensis***
against
 Anopheles 2614
 Anopheles arabiensis 2973
 Culex quinquefasciatus 1087
 Culicidae 393, 621, 1085, 2545, 2613
 Diptera 234
 bioassays, methodology 2956
 biotechnology 1930, 3266
 culture techniques 43, 420, 911, 3273, 3275
 mutants 421
 effects
 Aedes aegypti 2047
 Culex quinquefasciatus 237
 formulations 1087
 deposition 1043
 efficacy 1345, 2613-2614
 habitats, India 906
 hosts
 Aedes aegypti, pathogenicity 214, 373, 2474, 2560
 Culex pipiens, pathogenicity 2045
 Culex pipiens complex, pathogenicity 56
 Culex quinquefasciatus, pathogenicity 43, 420, 906, 1346
 Culicidae 619
 pathogenicity 37, 78, 138, 421, 444, 1345
 laboratory animals, toxicology 217
 mutants, antibiotics, resistance 2474
 non-target effects 76, 78
 plasmids, biotechnology 565
 sedimentation 214
 soils, Israel 894
 storage 621
 toxicity, Culicidae 2592
 toxins
 Aedes aegypti
 effects 416, 442
 receptors 925
 toxicity 855-856, 1039, 1270
 biotechnology 1040, 1523, 1934, 2839
 characterization 854, 1039, 1516-1517, 1520, 1646, 2271, 3263
 crystals, X-ray diffraction 1038
 Culex quinquefasciatus, toxicity 911
 Culicidae 564
- Bacillus thuringiensis subsp. *israelensis***
cont.
toxins cont.
 genes 3269
 amino acids, sequences 3264
 biotechnology 2259
 DNA sequences 1032, 1270, 1518, 1930, 1932, 2256
 gene expression 856
 nucleotide sequences 2270, 2838
 modes of action 1033
 molecular genetics 3279
 plasmids 3259
 purification 855
 sugars, characterization 3265
 toxicity
 Aedes aegypti 1519, 1643, 2259, 3259
 Aedes albopictus, cell lines 2257
 Anopheles gambiae, cell lines 2470
 Culicidae 1646, 2644
 insects 3273, 3275
 Trichostroylus colubriformis 2254
 water, pH 1346
with unimolecular films
against
 Anopheles 2614
 Anopheles albimanus 2603
- Bacillus thuringiensis subsp. *kenyae***, toxins, genes, DNA sequences 1037
- Bacillus thuringiensis subsp. *kurstaki***
aerial application, deposition 2275
autoplasts 375
Bacillus cereus, plasmids, transfer 1035
biotechnology 3268
 plasmids 850
grapes, California 3278
toxins
 Aedes aegypti, toxicity 1034
 characterization 1520
 genes 2262
 amino acids, sequences 2268, 3264
 DNA sequences 1037, 2256
 gene expression 1521
 nucleotide sequences 1034, 2267, 3256
- Bacillus thuringiensis subsp. *kyushuensis***, toxins, genes, DNA sequences 2256
- Bacillus thuringiensis subsp. *morrisoni***
hosts, *Aedes aegypti*, pathogenicity 373, 2560
plasmids, biotechnology 565
toxins
 biotechnology 1268
 characterization 854, 1517
 Culicidae
 cell lines, toxicity 1268
 toxicity 1268
 genes, DNA sequences 1032, 1933, 2256
- Bacillus thuringiensis subsp. *pondicherrensis***
habitats, India 906
hosts, *Culex quinquefasciatus*, pathogenicity 906
- Bacillus thuringiensis subsp. *sotto***
toxins
 biotechnology 1268
 genes, DNA sequences 1037
- Bacillus thuringiensis subsp. *tenebrionis***, toxins, crystallography 3261
- Bacillus thuringiensis subsp. *thompsoni***, toxins, genes, DNA sequences 1037
- Bacillus thuringiensis subsp. *thuringiensis***
toxins
 genes 2262
 DNA sequences 1037, 2260
 ultraviolet radiation, effects 2261
- Bacillus thuringiensis subsp. *toumanoffi***, plasmids, biotechnology 565
- Bacteria**
 Bovicola ovis, nutrition 1325
 Chironomus, encapsulation 2735
 genes, *Anopheles gambiae*, integration 251
 Musca domestica, digestion 289
 Neomyia cornicina, nutrient cycles 721
- Bacteria cont.**
oviposition attractants
 Culex pipiens 44
 Culicidae 65
sewage, trichlorfon, effects 2297
vectors, Ixodoidea 314
- Bactimos** (see *Bacillus thuringiensis* subsp. *israelensis*)
- Baculoviridae**
against, insect pests 2472
biotechnology, reviews 2472
reviews 2255
- Bahamas**, *Aedes aegypti* 1655
- Bahrain**, insects, books 218
- Bait traps**, against, *Vespa* 1777
- Baits**
against, *Vespa pensylvanica* 2764
 Musca domestica 3041
 sugars, *Phlebotomus papatasii* 259
- Bakeriania plurisetosa**
 Parascalops breweri, USA 3193
 Sorex, New York 3194
- Bakericheyla chanayi**
biology, behaviour 194
Passeriformes, USSR 194
- Balanus glandula**, *Hemimiscus balani*, models, parasitism 1295
- Bamboos**, fauna, Indonesia 1054
- Bambusa vulgaris**, fauna, Venezuela 891
- Bambusicola thoracica**, *Dermacentor taiwanensis*, Taiwan 789
- Banana plantations**, *Glossina fuscipes*, Uganda 2099
- Bancroftian filariasis** (see also *Wuchereria bancrofti*)
- Bandicota indica nemorivaga**, *Dermacentor taiwanensis*, Taiwan 789
- Bangladesh**
Chiroptera, ectoparasites 122
Demodex bovis 192
mosquito-borne diseases, epidemiology 1640
Sarcopeltis scabiei 207
- Banteng**, *Demodex bantengi*, Indonesia 2214
- Barbus ticto**, malathion, effects 1951
- Bareogonatos jezoensis**
hosts, *Vespa simillima* 3091
Japan 3091
- Barypeithes pellucidus**, dwellings, USA 3131
- Basilia roylei**, *Scotophilus kuhli*, Bangladesh 122
- Basophil degranulation test**, allergies, Hymenoptera 306
- Baygon** (see *Propoxur*)
- Baytex** (see *Fenthion*)
- Bayticol** (see *Flumethrin*)
- Bdellidae**, livestock housing, Czechoslovakia 544
- Beauveria**, taxonomy 2957
- Beauveria bassiana**
enzymes
 characterization 1036, 1525
 regulation 3277
- Beds**, *Dermatophagoides*, Denmark 3198
- Behaviour**
 Aedes
 dispersal 649
 feeding behaviour 651
 Aedes aegypti
 biting rates 1102
 oviposition 39, 2642
 Aedes diantaeus, mating behaviour 33
 Aedes sollicitans, dispersal 660
 Aedes taeniorhynchus
 dispersal 648
 swarming 647
 Aedes triseriatus
 feeding behaviour 664
 grooming 1343
 Alphitobius diaperinus, locomotion 3124
 Anopheles, mating behaviour 2602
 Anopheles darlingi, host-seeking behaviour 2597
 Anopheles dirus, mating behaviour 1623
 Anopheles farauti
 biting rates 659

Behaviour cont.

- Anopheles farauti* cont.
dispersal 1099
aquatic insects, flight 1546
Araneae, predation 1889
Blatta orientalis, dispersal 394
Blattella germanica
activity 1058
dispersal 1573
Calyptra, feeding behaviour 1426
Cheyletidae, web spinning 194
Chironomidae
defense 1746
foraging behaviour 1297
Cochliomyia hominivora
host searching behaviour 1149
mating behaviour 473
Coelopa frigida, mating behaviour 2144
Culex tarsalis, feeding behaviour 1616
Culicidae
feeding behaviour 1368, 2962
flight 233, 2586
haemophagy 1101
oviposition 65
Culicoides brevitarsis, dispersal 1372
Culicoides variipennis, locomotion 1670
Dermacentor, mating behaviour 3157
Diplonychus nepoides, predation 1336
Diplopoda, phototaxis 3230
dung beetles, predation 3011
Euchaeta norvegica, feeding behaviour 1501
Fannia canicularis, mating behaviour 1418
Formicidae, aggression 1778
Gambusia affinis, feeding behaviour 636
Geotrupes pyrenaeus, feeding behaviour 2415
Glossina, host location 461
Glossina morsitans, activity 1118
Haematobia irritans
dispersal 1404
environmental factors 1156
Hemianax papuensis, predation 1985
Hesperoperla pacifica, predation 1296
Hyalomma asiaticum, orientation 763
Hymenoptera, predation 1432
insects, circadian rhythm, reviews 2307
Ixodes moreli, feeding behaviour 1804
Ixodidae, mating behaviour 2193
Lepidoptera, feeding behaviour 3090
Lucilia cuprina, mating behaviour 475, 1741
Macrocheles muscaedomesticae, predation 1477
Mansonia titillans, oviposition 1079
mating behaviour, aggregation, models 1294
models, behavioural ecology 1982
Musca autumnalis, regurgitation 3039
Musca domestica
foraging behaviour 949
orientation 1164
predators, predation 3034
Muscidifurax raptorellus, oviposition 1783
Muscidifurax zaraptor, dispersal 1181
Nasonia vitripennis, host-seeking behaviour 139
Nauphoeta cinerea, social behaviour 1562
Nicrophorus tomentosus, reproduction 156
Nicrophorus vespilloides, cannibalism 986
Notonecta, foraging behaviour 896
Onitis, nesting 757
Ophyra aenescens, dispersal 481
Ornithodoros turicata 790
Panstrongylus megistus, mating behaviour 20
Pergamasus longicornis, feeding behaviour 1012
Periplaneta americana, stress, learning 2511
Phlebotomus, feeding behaviour 1684
Phlebotomus ariasi, feeding behaviour 453
Phlebotomus papatasi, activity 1681

Behaviour cont.

- Pholcidae, predation 837
Pholcus phalangioides, predation 2231
Phoridae, mating behaviour 1396
Polistes, dispersal 981
Polistes fuscatus
foraging 2163
interactions 983
Polistes pacificus, social behaviour 3116
Ranatra dispar, predation 1298
Reduviidae, feeding behaviour 604
Ropalidia fasciata, social behaviour 1780
Ropalidia revolutionalis, social behaviour 3098
Sepsis fulgens, swarming 959
Simuliidae
feeding behaviour 98
host searching 708
Simulium
dispersion 1695
haemophagy 1693
Simulium arcticum, environmental factors 1696
Simulium bivittatum, feeding behaviour 1112
Simulium noelleri, feeding behaviour 1378
Simulium pictipes, mating 1694
Simulium posticum, oviposition 706
Simulium tuberosum complex, biting rates 2991
Simulium yahense, feeding behaviour 709
social insects, communication, semi-chemicals 2161
Solenopsis invicta, foraging behaviour 1767
Tabanidae, feeding behaviour 2135
Tabanus abactor, dispersal 715
Toxorhynchites amboinensis, oviposition 2068
Toxorhynchites rutilus, predation 2069
Trichopropson digitatum, brood care 46
Vespa squamosa, defence 2762
Belophotroctes ghesquierei, *Sciurus carolinensis*, nests, Florida 3092
Belgium
birds, ectoparasites 586
Lyme disease, epidemiology 1914
Simuliidae 456
Supella longipalpa 595
Bellieria melanura (*see Helicopagella melanura*)
Bellieriomima yaanensis
China 3013
taxonomic, new species 3013
Belostoma flumineum, *Lagenidium giganteum*, pathogenicity 3260
Belostomatidae, prey, *Anopheles* 688
Bembix antoni
prey, Diptera 752
Sri Lanka 752
taxonomic, new species 752
Bembix borealis
prey, Diptera 752
Sri Lanka 752
taxonomic, revision 752
Bembix glauca
prey, Diptera 752
Sri Lanka 752
taxonomic, revision 752
Bembix orientalis
prey, Diptera 752
Sri Lanka 752
taxonomic, revision 752
Bendiocarb (2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate)
against
Anopheles albimanus 1633, 1638
Blattella germanica 2913
Ctenocephalides felis 2943
analysis 2280
resistance, *Blattella germanica* 11, 1315
synergism 11
toxicity, Culicidae 2592
with pyrethrins, resistance, *Blattella germanica* 11
- Bengalia*, taxonomy, keys 1540
Bengalia robertsi
Papua New Guinea 1540
taxonomic, new species 1540
Benomyl (methyl [1-[(butylamino)carbonyl]-1*H*-benzimidazol-2-yl]carbamate)
effects, *Romanomermis culicivorus* 1661
Benzene, toxicity, *Musca domestica* 1758
Benzene hexachloride (*see HCH*)
Benz[b]thien-4-yl methylcarbamate, *Musca domestica*, organophosphate insecticides, antagonists 2716
Benzoic acids, against, *Dermatophagoides* 2811
N-Benzoyl-N'-carboxyphenyl ureas, toxicity, insects 3289
N-Benzoyl-N'-phenoxyphenyl ureas, toxicity, insects 3289
Benzyl benzoate
against, *Sarcophates scabiei* 3186
toxicity, *Dermatophagoides farinae* 1009
1-Benzyl-2,6-octadienes, effects, Culicidae 1528
Bercea cruentata
carrión, Hawaii 1548
Entomophthora muscae, pathogenicity 962
man, myiasis 951
Pakistan 951
Bercea haemorrhoidalis (*see B. cruentata*)
Berlin, *Nycteribia kolenatii* 488
Besnoitia besnoiti
culture techniques 1842, 3164
Ixodidae, cell lines, infection 1842
Bethyloidea
behaviour, predation 1432
venoms, biochemistry 1433
Bezzia picticornis, taxonomy, males 2359
BHC (*see HCH*)
 γ -BHC (*see Lindane*)
- Bibliographies**
- Chaudonneret, J., research 2488
Culicidae, Asia 576, 1535
Heteroptera, pheromones 2011
Hoogstraal, H., research 1972
Istituto Superiore di Sanità, research 575
Locke, M., research 2489
Periplaneta fuliginosa 1317
Bicycloorthocarboxylates, metabolism, *Musca domestica* 2286
Bicyclophosphorus esters, effects, *Musca domestica* 1740
Bioassays
Bacillus thuringiensis, methodology 2956
Blattella germanica, repellents 2920
insecticides, methodology 2905
Biochemistry
Acheta domesticus
cuticle 1185
nervous system 2753
Aedes aegypti
aging 920
enzymes 2057
Amblyomma americanum, salivary glands 323
Apis mellifera
sting apparatus, hydrocarbons 1447
venoms 307
Blattaria, diphensols 2507
Boettcherisca peregrina
cell lines, lectins 1411
proteins, characterization 971
sarcotoxin I 2143, 3046
sarcotoxins 1410
Bombus pennsylvanicus, bombolitins 3097
Calliphora vicina, enzymes 2130
Calliphora vomitoria, cuticle 2734
Chironomidae, haemoglobin 1166
Chironomus riparius
haemoglobin 1407
histones 3029
secretions, salivary glands 2733

- Biochemistry cont.**
- Culex pipiens*, vitellogenins 2346
 - Culex pipiens* complex, enzymes 2056
 - Culex tarsalis*, acid phosphatases 671
 - Culicidae**
 - cell lines, reviews 1360
 - enzymes 1658
 - Dermacentor*, sex pheromones 1201
 - Dermacentor andersoni*, embryology 1799
 - Drosophila melanogaster*, cuticle 2303
 - ecdysteroids, supercritical fluid chromatography 1053
 - Glossina*, cuticle, hydrocarbons 2998
 - Glossina morsitans*, accessory glands 267
 - Hymenoptera**
 - sterols 3132
 - venoms 1427
 - Hypoderma lineatum*, enzymes 1387
 - Insects**
 - cuticle
 - lipids 2893
 - quinones 2895
 - juvenile hormones 2897
 - muscles 579
 - nervous system 221
 - Lucilia cuprina*, cuticle 3065
 - Messor galla*, pheromones 3104
 - Musca domestica*
 - arylphorin 2722
 - lipids, microsomes 2720
 - lipophorin 2398
 - monophenol monooxygenase 2400
 - superoxide dismutase, isoenzymes 2708
 - vision 2724
 - Neobellieria bullata*, steroids, metabolism 743
 - Periplaneta americana*
 - enzymes, Malpighian tubules 1996
 - lectins 1995
 - lipophorin 397
 - nervous system 1563
 - acetylcholine 2912
 - Phormia terraenovae*, dipterins, characterization 1159
 - Rhynchosciara americana*, enzymes 2131
 - Rhypharobia maderae*, leucokinins, characterization 2505-2506
 - Rhytidoponera metallica*, chemical composition 1175
 - Solenopsis invicta*, cuticle 3129
 - Stomoxys calcitrans*
 - pigments 1402
 - trypsin 3020
 - Triatoma infestans*
 - arachidonic acid 602
 - lipid metabolism, fat body 2533
 - xanthine dehydrogenase 405
 - Trichosia pubescens*, enzymes 2395
 - Vespa orientalis*, cuticle 2746
 - Biographies**
 - Chaudronneret, J. 2488
 - Locke, M. 2489
 - Simpson, W.J.R. 1291
 - Biological control**
 - Aedes aegypti* 2354
 - Aedes triseriatus* 1656
 - Alphitobius diaperinus* 3110
 - Anopheles arabiensis* 2973
 - Blatta orientalis* 874
 - Boophilus microplus* 1822
 - Culex pipiens* 2606
 - Culex quinquefasciatus* 2598-2599
 - Culicidae* 50, 674, 2349, 2545, 2566, 2622, 2645, 2649
 - Diptera** 2389
 - Haematobia irritans* 2719
 - insect pests 3276, 3282
 - insects 3284
 - Musca domestica* 2111
 - Muscidae* 757, 1181, 3103
 - Muscoidea* 472
 - pests, conferences 3352
 - population dynamics, reviews 3281
 - reviews 3280
 - Solenopsis invicta* 298
 - vectors 393
 - reviews 1049
 - Biological control agents, evaluation, industry** 3283
 - Biotechnology**
 - Anopheles gambiae*, DNA introduction 251
 - Bacillus thuringiensis*, plasmids 565, 850
 - Biotic index**, streams 2903-2904
 - Birds**
 - arboviruses, ecology 1505
 - arthropod parasites, South Africa 870
 - Culex annulirostris*, Australia 441
 - Culex univittatus*, South Africa 2345
 - Culicidae**, Argentina 1650
 - Culiseta inornata*, Manitoba 2563
 - eastern equine encephalitis virus, New Jersey 1912
 - ectoparasites, Italy 164
 - insecticides, effects 1124
 - Ixodoidea, Somalia 313
 - Mallophaga, Hungary 402
 - Phlebotomus*, India 932
 - Birds' nests**, *Dermanyssus hirundinis*, USSR 800
 - Bisazir** (*P,P*-bis(1-aziridinyl)-*N*-methylphosphinothioic amide)
 - sterilization, *Stomoxys calcitrans* 3033
 - [4-(bis(2-chloroethyl)amino]phenyl] acetic acid**, sterilization, *Musca domestica* 1739
 - 1,3-Bis(3-chlorophenyl)-2-(trichloromethyl)imidazolidine**
 - against, Diptera 487
 - resistance, *Musca domestica* 489
 - Bites**
 - Araneae**
 - man 549, 1492-1493, 1892, 3217
 - pets, treatment 1514
 - Archaeopsylla erinacei*, man 889
 - arthropods
 - man 844, 1926, 3250
 - small animals 2252
 - Chrysopidae*, man 163
 - Ctenocephalides*, dogs, diagnosis 2331
 - Ctenocephalides felis*, dogs 1603
 - Culicidae**, man 1628
 - Diptera**
 - horses 2332
 - man, treatment 2462
 - Haemaphysalis campanulata*, man 181
 - insects
 - man 1921, 2467
 - books 2490
 - Ixodidae*, man 1454, 2781
 - Latrodectus*, man 828
 - Loxosceles*, man 1890, 2817
 - Loxosceles reclusa*
 - man 817, 831, 3223
 - treatment 1898
 - Odontocarus australiensis*, man 2226
 - Proctolaelaps vandenbergi*, man 3203
 - Simuliidae**, livestock 456
 - Tegenaria agrestis*
 - man 832, 835, 2818
 - rabbits 836
 - Blaberus craniifer**
 - attractants 1324
 - biochemistry, diphenols 2507
 - biology, behaviour 8
 - morphology, antennae 2002
 - physiology
 - circadian rhythms 1321
 - immune system 875
 - ultrastructure, endocrine cells, midgut 2914
 - Blarina brevicauda**
 - Ixodidae, Tennessee 1832
 - Spirochaetales, Minnesota 561
 - Blastorthidium triatomae**, hosts, Reduviidae, pathogenicity 1592
 - Blatta orientalis**
 - behaviour, dispersal 394
 - biochemistry, diphenols 2507
 - control, biological control 874
 - dwellings
 - China 1309
 - Virginia 394, 874
 - growth regulators, toxicity 3289
 - parasitoids 1314
 - Blattaria**
 - allergens, sampling 1925
 - Blattaria cont.**
 - books 577
 - checklists, Iran 1323
 - control, insecticides 1568-1569
 - Denmark 3354
 - dwellings 1568
 - ecology, seasonal abundance 2911
 - man, allergies 2468
 - savannas, Ivory Coast 2911
 - taxonomy, keys 1323
 - Blattella asahinai**
 - behaviour, dispersal 1565
 - distribution, Florida 1070
 - ecology 1571
 - Florida 1564-1566, 1571
 - taxonomy, synonyms, *Blattella beybienkoi* 1070
 - Blattella beybienkoi**, taxonomy, synonym of *Blattella asahinai* 1070
 - Blattella germanica**
 - allergens, characterization 2508
 - Androctonus australis*, toxins, toxicity 1258
 - behaviour
 - activity 1058
 - dispersal 1573
 - bioassays, repellents 592, 2920
 - biochemistry, diphenols 2507
 - biology, development 1064
 - cell lines, chitin, synthesis 2916
 - control
 - insecticides 1315, 2504, 2926
 - integrated control 2913
 - development, regeneration 2516
 - dispersal pheromones 1573
 - dwellings
 - dispersal 2504
 - Florida 6, 2926
 - New Jersey 1315
 - entomogenous fungi 878
 - infection 1572
 - entomophilic nematodes, infectivity 2313
 - Florida 1565
 - growth regulators, effects 1065, 1561, 1577, 2919
 - Hyphomycetes, pathogenicity 1057
 - identification 1070
 - insecticide resistance
 - resistance mechanisms 1067
 - standards 593
 - insecticides
 - irritancy 594
 - resistance 11, 395
 - toxicity 589
 - juvenile hormone III
 - biosynthesis 1060
 - identification, analytical methods 2316
 - man, allergies 1063, 1511
 - monitoring, traps 6
 - morphology, nervous system 1579
 - pheromones, dispersal pheromones 2921
 - physiology, vision 1058
 - propoxur, effects 10
 - pyrethroid insecticides, resistance 2917
 - repellents 1059
 - ships 2913
 - Poland 395
 - warehouses, California 5
 - Blattella lecordieri**
 - ecology, seasonal abundance 2911
 - forests, Ivory Coast 2911
 - Blattella sordida**
 - ecology, seasonal abundance 2911
 - forests, Ivory Coast 2911
 - Blattellidae**, checklists, Iran 1323
 - Blatticola**, taxonomy, keys 1310
 - Blatticola barryi**
 - hosts, *Celatoblatta quinquemaculata* 1310
 - New Zealand 1310
 - taxonomy, new species 1310
 - Blattidae**, checklists, Iran 1323
 - Bledius mandibularis**, defense secretions, synthesis 1766
 - Bledius spectabilis**, defense secretions, synthesis 1766

- Blomia tropicalis**, house dust, Brazil 210
Blood-meals
Aedes circumluteolus, identification 2553
 Culicidae, identification 676
Culiseta inornata, identification 2563
Dipetalogaster maxima, oviposition 19
Lutzomyia, reproduction 95
Phlebotomus, identification 932
Blotic (see *Propetamphos*)
Bluetongue virus
 genetics, reassortment 1669
 sheep, Israel 2835
 vectors
 Culicoides 79
 India 2667
 transmission 1107
 vector potential 2666
Culicoides brevitarsis, transmission 1672
Culicoides variipennis
 infection 1669, 2358
 transmission 446
Boerhavia diffusa, extracts, Diptera 2300
Boettcherica peregrina
 biochemistry
 proteins, characterization 971
 sarcotoxin I 2143, 3046
 sarcotoxins 1410
 cell lines, biochemistry, lectins 1411
 genetics, genes, lectins, nucleotide sequences 3047
 physiology
 chemoreceptors 2723
 immune system 971, 1413, 3046
 vision 2126
Bolero (see *Thiobencarb*)
Bolivia
Eulinognathus boliviensis 883
Lutzomyia 1682
Lutzomyia longipalpis 81
Phlebotominae 90
Boluses, cattle, *Amblyomma hebraeum* 2423
Bombus, venoms, biochemistry 1436
Bombus pennsylvanicus, venoms, characterization 3097
Bombyliidae
 hosts, *Glossina* 101
 Iraq 272
 Kenya 101
Bombyx mori, man, allergies 802
Books
Anopheles, Africa 1050
Apis mellifera, biology 1542
 aquatic organisms, diseases 3340
 arthropods
 pets 3338
 phylogeny 3347
 cattle, trypanosomiasis 2301
Culicidae, UK 2876
Cuterebra, Nearctic Region 1048
 ecology, overwintering 1537
Ephemeroptera, UK 2877
 filariasis, control 1976
Glossina, control 1288
Hyalomma, India 1539
Hymenoptera, venoms 1536
 insects
 Arabian Peninsula 218
 man, allergies 2490
 morphogenesis 2875
 Instituto Evandro Chagas 1979
 integrated control, pests 3341
 invertebrates, biology 3342-3343
Lepidoptera, anatomy 3346
 man, eye diseases 1978
 medical entomology 577
 models, ecology 3349
 museum specimens, curation 3348
Odonata, Europe 1977
 Omsk haemorrhagic fever, epidemiology 1047
 organophosphorus compounds, chemistry 3344
 organophosphorus pesticides, nontarget effects 219
 pesticides 2879-2880
 nontarget effects 1538, 3345
Sepsidae, British Isles 154
 tickborne diseases, Africa 1289

- Books cont.**
 tickborne encephalitis, Europe 1541
 vectors, control 1049
 veterinary medicine, tropics 1975
 veterinary parasitology 1973-1974
 viruses
 catalogues 3350
 man 2878
 xenobiotics, resistance 2881
Boophilus
 cattle
 Cameroon 1843
 India 2417
 cell lines, *Besnoitia besnoiti*, infection 3164
Cervus elaphus, Spain 513
 control, acaricides 2, 1811, 1843
 diseases, reviews 185
 domestic animals, India 2
 hosts, Somalia 313
 Italy 185
Theileria annulata, transmission 2417
Thogoto virus 2248
Boophilus annulatus
 acaricides
 effects 768
 toxicity 3148
Babesia, survival 2419
Babesia bigemina, transovarial transmission 3158
 biology, environmental factors 3150
Boophilus microplus, hybridization 1800
 cattle
 Cameroon 518
 India 998
 Sudan 1215
 Texas 3147
 control, acaricides 1200, 3147
 distribution, Sudan 993
 ecology, phenology 518
Hemiechinus auritus, Iraq 1834
 livestock, Saudi Arabia 2187
 parks, Italy 871
 predators 2183
 sheep, India 1200
 Texas 2183
 tickborne diseases 1215
 transmission 518
Boophilus caracarus (see *B. annulatus*)
Boophilus decoloratus
 acaricide resistance 330
 acaricides, resistance 515, 1212
Anaplasma centrale, transstadial transmission 2422
Boophilus microplus, hybridization 1802
 cattle 3167
 Burundi 1209, 1229
 Cameroon 518
 liveweight gains 1243
 Malawi 1213
 Sao Tome and Principe 3173
 Sudan 1215
 Tanzania 1210
 Zambia 515, 1212, 2767
 Zimbabwe 309
 Congo virus 781
 control, acaricides 309, 1210, 2767, 3167
 ecology
 distribution 1210
 environmental factors 1219, 1221, 1229
 phenology 518
 livestock, Senegal 519
 population ecology, simulation models 1220, 1223
 Queensland 330
 tickborne diseases 1212-1213, 1215
 transmission 518
 toxins, biochemistry, kinetics 3149
 West Africa 781
 Zimbabwe 1219, 1221
Boophilus geigyi
 Congo virus 781
 distribution, Sudan 993
 West Africa 781
Boophilus kohlsi, livestock, Saudi Arabia 2186-2187
Boophilus microplus
 acaricide resistance 330
 acaricides
 resistance 515, 2185
 susceptibility 182
 toxicity 995, 3148
Anaplasma centrale, transstadial transmission 2422
 Australia 1216
Babesia bovis, transmission 3165
 behaviour, oviposition 2773
 bioassays, estimation 521
Boophilus annulatus, hybridization 1800
Boophilus decoloratus, hybridization 1802
 Brazil 1845, 2775
 buffaloes
 India 1456
 Indonesia 531
 cattle 2771, 3170
 Africa 1191
 antigens 1457
 Brazil 187, 511
 Cuba 512
 immune response 784
 India 998, 2192
 liveweight gains 3146
 Malawi 1213
 Mexico 2770
 New Caledonia 182-183
 Puerto Rico 3145
 resistance 1845
 Spain 3165
 susceptibility 2774
 Tanzania 1210-1211
 Venezuela 186
 Zambia 515
 cattle housing, India 1822
 control
 acaricides 531, 1210-1211, 2192, 2770-2771, 3145-3146
 biological control 1822
 integrated control 1208
 coumaphos, resistance 1458
 distribution
 New South Wales 2500
 South Africa 2500
 ecology
 distribution 1210
 environmental factors 1219, 1221
 habitats 770
 spatial distribution 988
 ethion, resistance 183
 histology, techniques 517
 hosts, China 770
 livestock
 Africa 1208
 Caribbean 2185
 mercury, effects 1465
 pastures
 Brazil 2773-2774
 Puerto Rico 988
 physiology
 digestive system 177
 respiration 1465
 water relations 991
 plant extracts, effects 165
 population ecology, simulation models 1216, 1220, 1223
 predators 2775
 propetamphos, toxicity 1468
 Queensland 330
 rabbits, rearing techniques 783
 reference strains 182
 sampling 3170
Theileria parva 1211
 tickborne diseases 1213
 transmission 511-512
 toxins, biochemistry, kinetics 3149
 ultrastructure, midgut 991
 Zimbabwe 1219, 1221
Boophthora erythrocephala (see *Simulium erythrocephalum*)
Borborus flavipennis, taxonomy, lectotypes 3038
Borborus hamatus, taxonomy, lectotypes 3038
Borborus longipennis, taxonomy, lectotypes 3038

- Borborus suillorum**, taxonomy, lectotypes 3038
- Border disease virus**, vectors, *Stomoxys calcitrans*, infection 1730
- Borellia atriceps**, morphology, larvae 1417
- Borrelia**
man, Sweden 1461
Ornithodoros 758
vectors
 Ixodes ricinus, transmission 1461
 Ixodoidea 314
 reviews 1001
 Ornithodoros, USSR 758
- Borrelia anserina**, vectors, *Argas persicus*, transmission 2175
- Borrelia burgdorferi**
antibodies, detection 842
characterization 1203
diagnosis 817
dogs 2836
 France 3169, 3242
 North Carolina 3244
 Wisconsin 1812
epidemiology 2249
 Connecticut 524
 reviews 2830
 USA 1467
 USSR 761
 Wisconsin 523, 525
man
 Belgium 1914
 ELISA 2829
 France 1819
 reviews 1918
 Sweden 2190
 Switzerland 1916
 symptoms 2833
mucocutaneous lymph node syndrome 1506
 reviews 1915
rodents, Rhode Island 2766
Sigmodon hispidus, susceptibility 2247
vectors
 Aedes, infection 427
 arthropods, prevalence 2788
 Ixodes 841
 Ixodes dammini
 infection 777, 1826
 New Jersey 2776
 New York 1004
 transmission 317
 Ixodes pacificus
 California 1203
 transmission 526
 Ixodes persulcatus, transmission 532
 Ixodes ricinus
 German Federal Republic 794
 transmission 2190
 UK 2784
 Ixodidae 310
 transmission 524
- Borrelia coriaceae**
taxonomy, new species 2837
vectors
 Ornithodoros coriaceus 2837
 transovarial transmission 2783
- Borrelia recurrentis**, man, Ethiopia 1587
- Bos banteng** (see Banteng)
- Bos grunniens** (see Yaks)
- Bos indicus** (see Zebu)
- Bos indicus** × *Bos taurus*, *Boophilus microplus*, liveweight gains 3146
- Haematobia irritans**, liveweight gains 1153
- Bos javanicus** (see Banteng)
- Bos mutus** (see Yaks)
- Bos taurus** (see Cattle)
- Bos taurus** × *Bos indicus*
Amblyomma americanum, losses 166
Ixodidae, resistance 2772
- Bothamia**, taxonomy, new genus 2079
- Bothamia demeilloni**
forests, South Africa 2079
taxonomy, new species 2079
- Botswana**
Amblyomma hebraeum 1194
- Araneae** 3217
- Glossina** 1124
- Rhipicephalus** 1195
- Botswana** cont.
 Rift Valley fever, epidemiology 368
- Botyodes principalis**
behaviour, feeding behaviour 3090
 buffaloes, Indonesia 3090
- Boutonneuse fever** (see also *Rickettsia conorii*)
- Bovicola bovis**
cattle
 Argentina 2318
 France 2005
 Georgia 2930
control, insecticides 2005, 2318
- Bovicola caprae**
biology, development 13
histology, digestive system 597
- Bovicola limbata**, biology, development 13
- Bovicola ovis**
bacteria, nutrition 1325
control, integrated control 403
sheep
 skin diseases 1325
 Western Australia 403
- Bovidae**, Akabane virus, Africa 1027
- BPMC** (see Fenobucarb)
- Brachycera**, morphology, cuticle 1754
- Brachydiania rericor**, diazinon, effects 1281
- Brachymeria discreta**, taxonomy, synonyms, *Brachymeria discretoidae* 987
- Brachymeria discretoidae**, taxonomy, synonym of *Brachymeria discreta* 987
- Brachypelma**, physiology, muscles 1255
- Brachypelma emilia**, venoms, characterization 823
- Brachypelma smithi**, man, eye diseases 2239
- Brachypogon kokociinskii**, taxonomy, nomenclature 2982
- Brachypogon kremeri**, taxonomy, new species 2982
- Brachypogon krzeminskii**, taxonomy, new species 2982
- Brachypogon nieves**, taxonomy, nomenclature 2982
- Brachypogon pakistanius**, taxonomy, new species 2982
- Brachypogon vitiosus**, taxonomy, nomenclature 2982
- Brachysomus echinatus**, dwellings, USA 3131
- Bracon hebetor**, venoms, biochemistry 1433
- Braconidae**
North America 3134
 taxonomy, keys 3134
- Bradyia coprophila**, genetics, chromosome segregation 491
- Brazil**
Amblyomma cajennense 315
Ananteris luciae 2236
Anopheles 1333
 Anopheles darlingi 2597
 arboviruses, epidemiology 213
Boophilus microplus 511, 1845, 2773-2775
 Calliphoridae 955, 965
 Chrysomya putoria 2136
 Culex 559
 Culicidae 65, 75, 923
 Culicoides paraensis 1671
 dengue, epidemiology 74
 Dermatobia hominis 268
 Dermatophagoides deanei 209
Diptera 2705
 Felilstrophorus radovskyi 2443
 house dust mites 210
Instituto Evandro Chagas 1979
- Ixodidae** 187
- Leishmania** 1679
- Lutzomyia** 88-89, 93-94, 96, 451, 1686, 2368, 2371
- Lutzomyia peresi** 87
- Lutzomyia squamiventris** series 92
- Lutzomyia walkeri** group 91
- Lutzomyia whitmani** 2362
- Lyta neivai** 2756
- malaria, history 1263
- mammals, ectoparasites 1558
- Muscoidea** 2394
- Onchocerca volvulus**, epidemiology 2676
- Otobius megnini** 1460
- Brazil** cont.
pesticides, economics 1937, 1946
plague, epidemiology 30
poisonous animals 549
- Sirthenea** 18
- skin diseases, epidemiology 1510
- Solenopsis invicta** 302, 2760
- Spelaeorhynchus hutsoni** 2810
- Speleoccola tamarina** 1874
- Triatoma infestans** 2531
- Triatominae 2012, 2320
- Vairimorpha invictae** 2148
- Breeding places**, Culicinae, Iran 2611
- Brevoortia patronus**, insecticides, toxicity 1947
- British Virgin Islands**, *Aedes aegypti* 1655
- Bromeliaceae**, Culicidae, Brazil 75
- Bromocyclen** (5-(bromomethyl)-1,2,3,4,7,7-hexachlorobicyclo[2.2.1]hept-2-ene)
against
 Cheyletiella parasitivorax 198
 Echidnophaga gallinacea 2945
 Sarcopeltis scabiei 197
- Bromophos** (*O*-4-bromo-2,5-dichlorophenyl) *O,O*-dimethyl phosphorothioate)
against
- Diptera 487
ectoparasites 2005
resistance, *Musca domestica* 1733
- Brontaea**
cattle dung, Texas 2755
parasitoids 2755
- Brugia**
Asia, bibliographies 1535
vectors
 Culicidae
 bibliographies 576
 detection 2657
- Brugia malayi**
man
 Bangladesh 1640
 books 1976
vectors
 Aedes aegypti, infection 430, 1104, 2026, 2341
 Anopheles, transmission 57
 Anopheles lesteri, vectorial capacity 1339
 Anopheles sinensis, infectivity 2339
 Armigeres subalbatus, infection 2979
- Culicidae
host parasite relationships 443
infection 2031
transmission 1640
- Brugia pahangi**
vectors
 Aedes aegypti, infection 1620, 2980
 Aedes scutellaris complex, infection 431
 Anopheles quadrimaculatus, infection 2542
 Armigeres subalbatus, infection 238, 2979
- Culicidae
infection 2031
susceptibility 2041
- Simulium ornatum*, infection 941
- Brugia timori**
man, books 1976
vectors, Culicidae, host parasite relationships 443
- Brumptomyia pintoi**
rain forests, Venezuela 930
taxonomy 930
- Brunei**, *Toxorhynchites ramalingami* 1626
- Bubalus bubalis** (see Buffaloes)
- Bubulcus ibis**, *Argas robertsi*, Queensland 520
- Budgerigars** (*Melopsittacus undulatus*)
ectoparasites, reviews 1303
mites, skin diseases 331
- Buffaloes** (*Bubalus bubalis*)
 Amblyomma cajennense, Brazil 315
 Anopheles, Malaysia 2963
 Boophilus microplus, Indonesia 531
 Calyptra, Thailand 1426
 Dermatobia hominis, Costa Rica 2385
ectoparasites, India 2
- Hyalomma anatomicum* 2177

- Ixodidae**, India 1456
Lepidopera, Indonesia 3090
 milk, insecticides, residues 1961
Nosomma monstrosum, India 998
Phlebotomus, India 932
Psoroptes ovis, skin diseases 1888
Sarcopetes, skin diseases 539
 tickborne diseases, India 1456
Bufo melanostictus, *Kiricephalus pattoni*
 2447
Bufo regularis, *Tribolium castaneum*, car-
 cinogens 1442
Bug Bar (see Chlorpyrifos)
Buggy Creek virus, taxonomy 1505
Buildings
Anopheles maculipennis complex,
 Romania 51
Sepsis violacea, UK 959
Bulgaria
Chironomus plumosus group 3015
 Diptera 1390
Musca domestica 1389
Buprofezin (2-[(1,1-dimethylethyl)
 imino]tetrahydro-3-(1-methylethyl)-5-
 phenyl-4H-1,3,5-thiadiazin-4-one)
 mode of action 1970
Burkina Faso
Anopheles 2971
 Cyclopidae 1910
Dracunculus medinensis, epidemiology
 3237
Gasterophilus 2105
Glossina 461, 1124, 1127, 1379, 2301
Glossina tachinoides 462
Oestrus ovis 3008
Simulium damnosum complex 264
Burma
Anopheles dirus 1371
Musca domestica 1420
Burundi
 Ixodidae 1209, 1229
Rhipicephalus appendiculatus 1222
Butanol, toxicity, *Musca domestica* 1758
Buthidae, toxins, characterization 1893
Buthotus judaicus, venoms, effects, labora-
 tory animals 2822
Buthus martensi, toxins, characterization
 3219
Buthus occitanus mardochei, toxins, purifi-
 cation 1495
Buthus tamulus, man, stings 1491
 α -Butyl- ω -hydroxypoly[oxy(methyl-1,2-
 ethanediyl)], repellents, *Ornithodoros*
parkeri 773
Cache Valley virus, vectors, *Aedes*, USA
 1629
Cacodmus indicus
 distribution, Bangladesh 122
Pipistrellus babu 122
Cadavers
 arthropods, Hawaii 1412
 Diptera, India 278
Phormia terraenovae, Finland 1171
Cadmium, uptake, *Chironomus riparius*
 3036-3037
Cafeterias, Diptera, Texas 148
Calcium polysulfide, against, *Trixacarus*
caviae 204
Caligus, *Epinephelus malabaricus*, Malay-
 sia 1908
Caligus elongatus
 ecology, host parasite relationships
 1498
 fishes, Atlantic Ocean 1498
Calliphora
 Africa 474
 ecology, population ecology 952
 parasitoids 139
 predators 509, 1889
 taxonomy, keys 474, 1540
Calliphora croceipalpis
 carrion, South Africa 1408
 ecology, coexistence 1408
 morphology, larvae 474
Calliphora erythrocephala (see *C. vicina*)
Calliphora nociva (see *C. placida*)
Calliphora placida
 man, myiasis 1163
 South Australia 1163
Calliphora stygia
 man, allergies 1511
 physiology, vision 274
Calliphora uralensis
 control, insecticides 2743
 furbearing animals, USSR 2743
Calliphora vicina
 anatomy, nervous system 2725-2726
 biochemistry, enzymes 2130
 biology, diapause 2712
 cattle housing, USSR 716
 control
 insecticides 2743
 integrated control 716
 cyclodiene insecticides, analogues, tox-
 icity 1529
 development, reproduction 3044
 diapause, induction 950
 embryology, nervous system 2125, 2401
Entomophthora muscae, pathogenicity
 962
 furbearing animals, USSR 2743
 genetics
 gene sequences 293, 295
 genes
 DNA sequences 1169
 vitellogenesis 3044
 immunocytochemistry, nervous system
 3045
Iraq 272
 man, myiasis 2124
 morphology, campaniform sensilla 718-
 719
 physiology
 chemoreceptors 2138
 development 495
 flight 717
 mechanoreceptors 2129
 taste 2137, 2139
 vision 499, 1165, 1737, 2128, 2142,
 3070, 3077-3079
 predators 2231
 Saudi Arabia 2124
Calliphora vomitoria
 biochemistry, cuticle 2734
 dogs, myiasis 720
 parasitoids 2729
 physiology, taste sensitivity, cardiac
 output 2737
 rainbow trout, diets 153
 Romania 2729
 sheep, myiasis 2729
 Turkey 720
Calliphoridae
 biology, development 278
 cadavers, India 278
 carrion, Africa 474
 cattle dung, Bulgaria 1390
 control, anthelmintics 2147
 Enterobacteriaceae, transmission 1161
 entomogenous fungi 1397
 human faeces, Romania 1161
 livestock, reviews 1306
 Papua New Guinea 1540
 rural areas, Brazil 2394
 sheep, myiasis 2147, 3010
 taxonomy 1540
 keys 288, 474
 USSR 288
Calliptamus barbarus, *Moniliformis*
moniliformis, infection 2405
Calliptamus italicus, *Moniliformis*
moniliformis, infection 2405
Callorhinus ursinus, *Orthohalarachne*
attenuata, Japan 806
Callosciurus erythraeus, *Dermacentor*
taiwanensis, Taiwan 789
Callosciurus flavimanus (see *C.*
erythraeus)
Caloenas nicobarica, *Hohorstiella*
tenorioae, Papua New Guinea 1581
Calyptera eustrigata
 ecology 1426
 hosts, Thailand 1426
Calyptera fasciata
 ecology 1426
 hosts, Thailand 1426
Calyptera minuticornis minuticornis
 ecology 1426
 hosts, Thailand 1426
Calyptera minuticornis novaepomeraniae,
 Papua New Guinea 1426
Calyptra orthograpta
 ecology 1426
 hosts, Thailand 1426
Camels (*Camelus bactrianus*)
Camels (see also Dromedaries)
Amblyomma cajennense, Brazil 315
Cephalopina titillator, myiasis 1722
 Ixodidae, USSR 324
Camelus bactrianus (see Camels)
Camelus dromedarius (see Dromedaries)
Cameroon
 cattle, keratoconjunctivitis 2146
Glossina 1124, 2301
 Ixodidae 518, 1843
Simulium damnosum complex 1115
 Thogoto virus 2248
Campanulotes bidentatus, pigeons,
 Belgium 586
Camphechlor (chlorinated camphenes con-
 taining 67-69% chlorine)
 against
 Ixodidae 1200, 1210-1211
 Sarcopticformes 345
 effects, rats 3317
 mutagenesis, *Escherichia coli* 1959
 pigs, poisoning 570
Camptochironomus tentans, gene expres-
 sion, salivary glands, polypeptides 751
Canada
Aedes albopictus 2579
Aedes togoi 32
 agricultural research, reports 578
Euschoengastia 1875
Haematopota 1731
Alberta
Chironomidae 1162, 1746
Culicidae 2565-2566
Hypoderma 3005
Lipoptena depressa 145
Pseudomenopon pilosum 2932
Simulium arcticum 457-459, 1696
Simulium arcticum complex 460
British Columbia
Chironomus vancouveri 3015
Loxosceles 2817
Musca domestica 2111
Manitoba
Carpioidea cyprinus, parasites 1909
Culiseta inornata 2563
Haematobia irritans 3043
Pseudomenopon pilosum 2932
Tabanidae 3042
 New Brunswick, *Salvelinus fontinalis*,
 parasites 3238
 Newfoundland, Simuliidae 708
Ontario
Hybomitra 2706
Podocinum pacificum 3205
Simulium 1695
Trixacarus caviae 204
 Saskatchewan, *Dermacentor andersoni*
 2197
 Yukon, *Telomerina beringiensis* 2731
Canaries (*Serinus canaria*)
 ectoparasites, reviews 1303
 mites, skin diseases 331
Canary Islands
 insects, dispersal 1545
Phlebotominae 2086
Simulium 2091
Candida, hosts, *Periplaneta americana*
 2918
Canis familiaris (see Dogs)
Cantharidin
 effects, rats 305
 horses, poisoning 1174
Canthon viridis championi
 ecology 3087
 fish, Mexico 3087
Capehelea, taxonomy, new genus 2080
Capehelea steli
 South Africa 2080
 taxonomy, new species 2080
Capra hircus (see Goats)
Capra ibex, Ixodidae, Saudi Arabia 2187
Capreolus capreolus
 arthropods, Austria 2108
Trypanosoma, German Federal Repub-
 lic 2388

- Caprimulgus europaeus, Pseudolynchia garzettæ, UK** 1395
- Capripoxvirus**, vectors, *Stomoxys calcitrans*, mechanical transmission 2701
- Caraparu virus**
man, Brazil 559
vectors, Culicidae 559
- Carbamate acaricides**, resistance, *Boophilus* 330
- Carbamate insecticides**
against, Siphonaptera 229
analysis, chromatography 2284
effects, *Musca domestica* 2391
man, poisoning 2290
resistance, *Anopheles albimanus* 2353
- Carbamate pesticides**
analysis 2280
carcinogenicity, laboratory animals 3298
- Carbaryl** (1-naphthalenyl methylcarbamate)
aerial spraying, deposition 1280
against
 Amblyomma americanum 795
 Ctenocephalides felis 2943
 Demodex bovis 2436
 Ixodes dammini 2776
 Mallophaga 2007
 Pediculus capitis 2010
 Pthirus pubis 1072
analysis 2280
detection, liquid chromatography 2298
droplets, deposition 2298
effects
 fowls 2007
 plankton 2294
 Uca minax 2868
metabolism, man 2480
Poecilia reticulata, toxicology 568
resistance
 Blattella germanica 395
 Culex pipiens 2059
 Ixodidae 2185
toxicity
 Amblyomma maculatum 3148
 Boophilus microplus 995
 Hyalomma anatolicum 536
- Carbofuran** (2,3-dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate)
analysis 2280
clothing, removal, detergents 1283
derivatives
 synthesis 3291
toxicity, insects 3291
effects
 Anabas testudineus 2295
 Channa punctatus 388
game birds 1964
 Lepidocephalichthys thermalis 1275
pigs, poisoning 570
- Carbon dioxide**
attractants
 Dermacentor variabilis 3143
 Glossina 461
 Glossina tachinoides 462
- Carophos** (see Malathion)
- Carcinops pumilio**
distribution, Chile 2413
ecology
 seasonal abundance 1785
 spatial distribution 2902
poultry droppings 2902, 3034
Massachusetts 1785
prey 2902
 Musca domestica 3034
- Carcinops troglodytes**, prey, *Musca domestica* 3076
- Cardiofilaria nilei**, vectors, *Coquillettidia crassipes*, transmission 2972
- Cardisoma carnifex**, Culicidae, French Polynesia 2545
- Carduelis carduelis**, mites, skin diseases 331
- Carduelis spinus**, *Nigrornirmus densilimbus*, Spain 596
- Carex pruinosa**, *Hybomitra montana*, Japan 736
- Caribbean**
Chrysomya 2393
livestock, ectoparasites 2185
Scarabaeidae 2166
- Carnidae, USSR** 288
- Carnivores**, Ixodoidea, Somalia 313
- Carnus hemapterus**
birds, German Federal Republic 1399
ecology, seasonal abundance 1399
- Carollia brevicauda**, *Spelaeorhynchus huttoni*, Brazil 2810
- Carollia perspicillata**, *Spelaeorhynchus huttoni*, Brazil 2810
- Carp**, insecticides, effects 1944
- Carpoides cyprinus**, parasites, Manitoba 1909
- Carrión**
arthropods
 community ecology 1300
 Hawaii 1548, 1550
 South Africa 1299
- Calliphoridae**
Africa 474
 Brazil 955, 965
 Holarctic Region 1417
 South Africa 1408
Chrysomya, South East Asia 1148
Meoneura amurensis, USSR 288
- Muscoidea**
Brazil 2394
 Finland 123
- Nicrophorus vesilloides*, UK 972, 986
- Pattonella intermutans*, Costa Rica 964
- Scarabaeinae**, Mexico 3087
- Telomera beringiensis*, North America 2731
- Carum carvi*, extracts, Diptera 2300
- Carum copticum* (see *Trachyspermum ammi*)
- Carylderm** (see Carbaryl)
- Cassava**, extracts, insects 1938
- Cat faeces**, *Notoedres cati*, detection 338
- Catalogues**
Arachnida, Australia 2883
Hymenoptera, Australia 2882
Sciomyzidae, North America 3083
- Catharanthus roseus**, extracts, *Musca domestica* 271
- Catostomus commersoni**, permethrin, toxicity 2485
- Cats (*Felis catus*)**
 Cheyletiella blakei
 skin diseases 1861, 1885
 Turkey 2200
- Ctenocephalides* 1331
- Demodex*, skin diseases 540, 1883
- Demodex cati*, skin diseases 342, 2813
- Dermacentor variabilis*, Oklahoma 1796
- ectoparasites 2796
 Austria 1556
 control 222
 Czechoslovakia 2910
 reviews 2441
 skin diseases 2252
- Felistrophorus radovskyi*, Brazil 2443
- Gordius*, Japan 3119
- Notoedres cati*, skin diseases 2440
- Sarcopeltis scabiei*, skin diseases 2798
- Cattle (*Bos taurus*)**
- Cattle** (see also Zebu)
abamectin, effects 3325
 Amblyomma americanum, losses 166
 Amblyomma cajennense, Brazil 315
 Amblyomma hebraicum
 Botswana 1194
 South Africa 2423
 Amblyomma variegatum, Kenya 1237
 Babesia divergens, Switzerland 3159
 bacteria, wounds 2384
 Boophilus annulatus, Texas 3147
 Boophilus decoloratus 3167
 Boophilus microplus 2771, 3170
 antigens 1457
 Brazil 511
 Cuba 512
 immune response 784
 liveweight gains 3146
 Mexico 2770
 New Caledonia 182-183
 Puerto Rico 3145
- Cattle cont.**
- Boophilus microplus* cont.
 resistance 1845
 susceptibility 2774
- Chrysomya bezziana*, myiasis 1728
- Cochliomyia*, myiasis 2112
- Cochliomyia hominivorax*, myiasis 477
- Culex*, India 681
- Culex pipiens*, China 54
- Culicidae*, Argentina 1650
- Culicoides*, Jamaica 79
- Culicoides schultzei*, Japan 447
- Culicoides variipennis*, California 446
- Culiseta inornata*, Manitoba 2563
- Demodex bovis*, skin diseases 192, 205, 2436
- Dermacentor andersoni**, Saskatchewan 2197
- Dermacentor nuttalli**, Mongolia 2176
- Dermacentor reticulatus**, Poland 780
- Dermacentor silvarum**, China 2181
- Dermatobia hominis**, myiasis 268, 2106, 2384
- dicrotophos, metabolism 2477
- Diptera**
California 2110
Cameroon 2146
Czechoslovakia 1749
Europe 1757
France 712
German Democratic Republic 487
India 3012
myiasis 1421, 2704
Netherlands 1729
- ectoparasites**
Caribbean 2185
equipment 1302
France 2005
Georgia 2930
India 2
Mali 3215
Portugal 2503
reviews 1304
skin diseases 1557
USA 1305
- epizootic haemorrhagic disease of deer virus, Colorado 3245
- Eristalis tenax*, myiasis 493
- Glossina**
Burkina Faso 461, 1379
Zimbabwe 2687
- Glossina austeni*, Kenya 2094
- Glossinidae**, Zaire 3002
- Haemaphysalis longicornis*, Japan 514
- Haematobia irritans*
Georgia 134, 3040
Iowa 732
liveweight gains 281, 1153
losses 121
Louisiana 1398
Nebraska 1173
North Dakota 133, 140
USA 118, 3031
- Hyalomma**
India 2416
Morocco 180
- Hyalomma anatolicum* 2177, 2420
- Egypt 1008
resistance 169
USSR 324
- Hyalomma truncatum*, tick toxicoses 2424
- Hydrotaea irritans*, Europe 125
- Hypoderma**
China 2698
immune response 470
liveweight gains 3005
myiasis 467, 1146, 1725, 2109
 diagnosis 3007
- Hypoderma bovis**, Korea Republic 1724, 2382
- Hypoderma lineatum**
immune response 469
resistance 1723
- Ixodes ricinus*, UK 1795
- Ixodidae**
Brazil 187
Burundi 1209, 1229
Cameroon 518, 1843
China 770
control 1190-1191

- Cattle cont.**
- Ixodidae cont.*
- immune response 2173
 - India 998, 2192
 - Kenya 1244
 - liveweight gains 1242-1243
 - Malawi 1213
 - pest resistance 990, 1224
 - Queensland 1451
 - resistance 2772
 - Sao Tome and Principe 3173
 - Saudi Arabia 2186-2187
 - Senegal 519
 - South Africa 999
 - Spain 3165
 - Sudan 993, 1215
 - Tanzania 1210-1211
 - USSR 1811
 - Venezuela 186
 - Zambia 515, 1212, 1239, 2767
 - Zimbabwe 309, 1214
- Leishmania donovani*, India 2675
- Linguatula denticulata*, France 2246
- Lucilia caesar*, myiasis 1750
- milk, insecticides, residues 1961
- Musca*, USSR 279
- Musca autumnalis*
- eye diseases 3039
 - Nebraska 714
 - Tennessee 132
 - USA 749
- Musca nevilli*, South Africa 276
- Muscidae**
- California 1154
 - Florida 117
 - German Federal Republic 2114
 - Israel 3085
 - milk yields 1726
 - Nebraska 146
 - South Dakota 135
 - summer mastitis 3084
- odours, attractants, *Amblyomma hebraicum* 989
- Palyam group viruses, Zimbabwe 3243
- parasites, nervous system diseases 2456
- Phlebotomus*, India 932
- Phthiraptera, Argentina 2318
- Pioneer damastesalis*, Australasia 3090
- Psorophora columbiana*, Louisiana 2623
- Psoroptes*, skin diseases 2428
- Psoroptes ovis*
- immune response 1887
 - losses, hides and skins 2799
 - skin diseases 343-344, 2794, 2801, 3192
- Psoroptidae*, Italy 3211
- Rhipicephalus*, Botswana 1195
- Rhipicephalus appendiculatus*
- Kenya 1225, 1235, 3172
 - liveweight gains 1241
 - pest resistance 1225-1226
 - South Africa 179
 - Zimbabwe 1231
- Sarcophagidae
- Africa 2206
 - skin diseases 345, 1852, 2205, 3208
- Simuliidae**
- Denmark 2089
 - Newfoundland 708
 - USSR 2685
- Simulium arcticum*, resistance 458
- Simulium arcticum* complex, Alberta 460
- Spiroplasma*, France 665
- Stomoxys calcitrans*, Florida 129
- Tabanidae**
- Japan 1743
 - liveweight gains 3042
 - milk yield 283
 - Poland 486
- Theileria annulata* 2170
- India 2417
- Theileria parva*
- Zambia 2789
 - Zimbabwe 1238
- Theileria sergenti*, Japan 514
- tickborne diseases, epidemiology, models 3160
- Triatoma dimidiata*, blood-meals 1595
- Trypanosoma*
- Africa 1713
- Cattle cont.**
- Trypanosoma cont.*
- German Federal Republic 2388
 - trypanosomiasis, books 2301
- Cattle diseases, vectors, Ixodidae, transmission 1006**
- Cattle dung**
- Aphodius*, Europe 157
 - Aphodius erraticus*, Georgia 155
 - arthropods
 - Australia 3068
 - dung management 2719
 - Aitholus rothkirchi* 1762
 - Coleoptera, Zimbabwe 3076
 - Copris laeviceps*, Mexico 2149
- Diptera**
- Bulgaria 1390
 - Ethiopia 967
 - dung beetles
 - Australia 1531-1532
 - Nebraska 1173
 - Spain 2412
- fauna, ivermectin, effects 3324
- Geotrupes pyrenaicus*, Italy 2415
- Haematobia irritans*
- Iowa 732
 - Missouri 1155
 - South Carolina 3111
- Hister nomas* 3105
- insects 476
- Texas 2755
- Musca autumnalis* 479
- USA 749
- Musca herrei* 111
- Musca nevilli*, South Africa 276
- Musca vetustissima*, Western Australia 742, 744
- Muscidae**, Nebraska 498
- Neomyia cornicina*, Michigan 721
- Onitis*, South Africa 757
- Scarabaeidae*, South Africa 3089
- Cattle housing**
- Diptera, USSR 716
 - Phlebotomus argenteipes*, India 933
 - storage mites, Finland 347
- Cattle manure**, insects, New York 1782
- Caves**
- Phlebotominae*, China 697
 - Phlebotomus*, China 696
 - Phlebotomus chinensis*, China 1374
- Cavia cobaya* (see Guineapigs)
- Cavia porcellus* (see Guineapigs)
- Cebus capucinus*, *Armillifer* 1900
- Celastrus angulatus*, chemistry 3286
- Celastrus glaucophyllus*, chemistry 3286
- Celatoblatta brunni*
- entomophilic nematodes 1310
 - New Zealand 1310
- Celatoblatta peninsularis*
- entomophilic nematodes 1310
 - New Zealand 1310
- Celatoblatta quinquemaculata*
- entomophilic nematodes 1310
 - New Zealand 1310
- Celatoblatta undulivitta*
- entomophilic nematodes 1310
 - New Zealand 1310
- Celatoblatta vulgaris*
- entomophilic nematodes 1310
 - forests, New Zealand 1312
 - morphology, size 1312
 - New Zealand 1310
- Cell lines**, *Aedes albopictus*, purine nucleotides, metabolism 64
- Cemetery vases**, *Toxorhynchites theobaldi*, Mexico 2629
- Central African Republic**
- AIDS, epidemiology 433
 - Thogoto virus 2248
- Central America**
- Aedes albopictus* 1634
 - Centruroides* 2233
 - Chrysomya* 2393
 - Leishmania*, epidemiology 1376
- Centromonus undecimalis*, insecticides, toxicity 1947
- Centrosceum fabricii*, *Albionella fabricii*, Atlantic Ocean 1899
- Centruroides argentinus*, taxonomy, synonym of *Centruroides margaritatus* 2233
- Centruroides danieli**, taxonomy, synonym of *Centruroides margaritatus* 2233
- Centruroides dasypus*, taxonomy, synonym of *Centruroides vittatus* 2233
- Centruroides exsul*, taxonomy 2233
- Centruroides gracilis*
- America 2233
 - taxonomy 2233
- Centruroides limpoides limpoides*, toxins, characterization 1023
- Centruroides margaritatus*
- America 2233
 - taxonomy, redescription 2233
- Centruroides noxius*
- toxins
 - characterization 1893
 - effects
 - mice, neurotransmitters 3220
 - rats 834
 - nervous system 3225
- Centruroides pococki*
- distribution, Dominica 1897
 - taxonomy 1897
- Centruroides sculpturatus*, stings, pets, treatment 1514
- Centruroides suffusus*, toxins, nervous system, binding sites 1024
- Centruroides vittatus*, taxonomy, synonyms, *Centruroides dasypus* 2233
- Cephalophus dorsalis*, *Ixodes moreli*, Ghana 1804
- Cephalophus niger*, *Ixodes moreli*, Ghana 1804
- Cephalopina titillator*
- camels, myiasis 1722
 - control, insecticides 1722
- Cephenemyia stimulator*
- control, insecticides 2108
 - game animals, Austria 2108
- Ceratophaga vastella*, carrion, South Africa 1299
- Ceratophyllidae*, morphology 1327
- Ceratophyllus ciliatus protinus*
- Acarus monopsyllus*, phoresy 2023
 - Sciuridae, USA 2023
- Ceratophyllus consimilis* (see *Nosopsyllus consimilis*)
- Ceratophyllus gallinace*
- birds, Belgium 586
 - Omsk haemorrhagic fever virus, transmission 1047
- Ceratophyllus garei*, Omsk haemorrhagic fever virus, transmission 1047
- Ceratophyllus indages*, taxonomy 615
- Ceratophyllus penicilliger* (see *Amalaraeus penicilliger*)
- Ceratophyllus sciurorum*
- lactates, repellents 627
 - Sciurus vulgaris*, Hungary 168
- Ceratophyllus tesquorum* (see *Citellophilus tesquorum*)
- Ceratophyllus turbidus* (see *Megabothris turbidus*)
- Ceratopogonidae**
- arboviruses, Australia 1508
 - books 577
 - horses, German Federal Republic 232
 - inoculation, arboviruses 1672
 - man, hypersensitivity 2467
 - phytotelmata, Venezuela 891
 - rivers, Malaysia 1332
 - techniques, collection 2501
- Certhia familiaris*, *Protocalliphora azurea*, UK 957
- Cervus dama*
- Ixodes ricinus*, Italy 871
 - Theileria cervi* 3161
 - Trypanosoma*, German Federal Republic 2388
- Cervus elaphus*
- arthropods, Spain 513
 - Trypanosoma*, German Federal Republic 2388
- Cervus elaphus hippelaphus*, arthropods, Austria 2108
- Cesspits*, *Culex quinquefasciatus*, India 417, 914, 916-917
- Cesspools*, *Culex quinquefasciatus*, Ivory Coast 634, 670
- Cetacea*, *Pennella* 1903
- CGA-112913 (see *Chlorfluazuron*)

- Chagas' disease** (*see also Trypanosoma cruzi*)
- Chainia**, metabolites, toxicity, *Aedes aegypti* 2263
- Chalcidoidea**
behaviour, parasitism 1432
venoms, biochemistry 1433
- Channa marulius**, *Lernaea*, India 552
- Channa orientalis**, *Lernaea*, India 552
- Channa punctatus**, insecticides, effects 388
- Channa striata**, *Lernaea*, India 552
- Chaoboridae**, techniques, collection 2501
- Chaoborus**, carbaryl, effects 2294
- Chaoborus americanus**, temephos, effects 3302
- Chaoborus astictopus**, *Lagenidium giganteum*, pathogenicity 3260
- Checklists**
aquatic organisms, islands 1055
Blattaria, Iran 1323
- Culicidae**
Korea Republic 1363
UK 2876
- Ephemeroptera, UK 2877
- Heteroptera, Iberian Peninsula 2327
- Hyalomma* 1539
- Odonata, Europe 1977
- Cheilodactylus macropterus**, *Alella tarakihi*, Pacific Ocean 1262
- Cheiracanthium**
distribution, Iberian Peninsula 3218
man, bites 1493
- Cheiracanthium lawrencei**
man, envenomation 3217
southern Africa 3217
- Chelocnetha angustitarsis angustitarsis** (*see Simulium angustitarse angustitarse*)
- Chelocnetha angustitarsis zaporojae** (*see Simulium angustitarse zaporojae*)
- Chemosterilants**
against, *Glossina* 2278
assays, *Muscidae* 3033
- Cheyletidiae**, livestock housing, Czechoslovakia 544
- Cheyletiella**
cats, reviews 2441
pets, skin diseases 198, 2252
- Cheyletiella blakei**
California 1861
cats
skin diseases 1885
Turkey 2200
man, skin diseases 1861
Yugoslavia 1885
- Cheyletiella parasitivora**
control, acaricides 198
rabbits
skin diseases 3201
Yugoslavia 198
- Cheyletiella yasguri**
dogs, skin diseases 2438
Turkey 2438
- Cheyletus**
control, environmental management 1881
house dust, Netherlands 1881
prey, house dust mites 1881
- Cheyletus eruditus**, hay, Iceland 1482
- Cheyletus malaccensis**, house dust, Brazil 210
- Chickens** (*see Fowls*)
- Chikungunya virus**
vectors
Aedes, transovarial transmission 425
Aedes aegypti, transmission 903
Aedes vittatus, transmission 905
- Chile**
Histeridae 2413
Muscidifurax raptorellus 1783
Plocopsylla 2535
Vespula germanica 2414
- Chilopoda**
Australia 1257
man, bites 1257
- China**
Aedes aegypti 2354
Aedes albopictus 2555, 2579
Aedes riparioi 1342
Aedes togoi 52
- China cont.**
- Amphipsylla longispina* 610
Androlaelaps fahrenholzi 1479
Anopheles 53, 55, 57, 1339
Anopheles lesteri 438
Anopheles sinensis 60, 436, 440, 639, 1097, 1337-1338, 1622
Aphodius hammondi 974
Argas japonicus 533
Blattaria 1309
California serogroup viruses, epidemiology 367
Ceratophyllus 615
Culex pipiens 54, 59
Culicidae 58, 1096, 2066
Dermacentor nuttalli 1453
Dermacentor silvarum 2181
Eynhovenia euryalis 2224
Goniodes tetraophasis 2929
Hirstionyssus 3179
Hypoderma 108, 2107, 2698
Hypoderma lineatum 1385
insect pests, insecticide resistance 3285
Isshikia wenchuanensis 1391
Ixodoidea 770
Leptotrombidium 1478
Multisetosa 3178
Muscidae 2133
myiasis 407
Neopodocinum 3177
Phlebotominae 454, 697
Phlebotomus 696, 701
Phlebotomus chinensis 1374
Rickettsia sibirica, epidemiology 522
Sarcophagidae 3013
Sergentomyia murgabiensis 86
Siphonaptera 1327
Toxorhynchites christophi 618
Trombiculindus quanzhouensis 3176
Trombicula guangdongensis 2212
- Chinchillidae**, ectoparasites 1560
- Chinius**, taxonomy, new genus 697
- Chinius junliensis**
caves, China 697
taxonomy, new species 697
- Chironomidae**
allergens 1166
characterization 3069
haemoglobin, characterization 2120
nomenclature 845
- Bacillus thuringiensis**, effects 76
behaviour, flight 1546
biochemistry, haemoglobin 1166
Denmark 1546
ecology, urbanization 1983
entomogenous fungi 622
Hungary 76
man
allergies 2468
hypersensitivity 3014
- New Zealand 455
predators 390
rivers, Malaysia 1332
techniques, collection 2501
teflubenzuron, effects 2964
Trichomycetes 455, 3258
USSR 622
- Chironomus**
bacteria, encapsulation 2735
physiology, immune system 2735
predators 1889
- Chironomus anthracinus**
man, hypersensitivity 3014
UK 3014
- Chironomus balatonicus**
Europe 3015
genetics, chromosomes, heterochromatin 3015
- Chironomus crassicaudatus**, growth regulators, effects 2577
- Chironomus decorus**
chlorobenzenes, uptake 3035
copper, toxicity 737-738
- Chironomus pallidivittatus**, biochemistry, histones 3029
- Chironomus plumosus**
Europe 3015
genetics, chromosomes, heterochromatin 3015
- Chironomus riparius**
Alberta 1162
- Chironomus riparius** cont.
behaviour, defense 1746
biochemistry, secretions, salivary glands 2733
genes, globins, nucleotide sequences 2404
genetics, genes, nucleotide sequences 3048
man, hypersensitivity 3014
predators 1162, 1746
tissue culture, physiology, haemoglobins, synthesis 1293
- Chironomus riparius piger**
genetics
chromosomes, sex determination 1415
DNA sequences, heat shock 1170
genes, haemoglobin 1423
genomes, repetitive DNA 3017
- Chironomus riparius riparius**
allergens
antigen antibody reactions 3069
haemoglobin, characterization 2120
anatomy, midgut 3037
biochemistry
haemoglobin 1407
histones 3029
cadmium, uptake 3036-3037
genetics
DNA sequences, heat shock 1170
genes
haemoglobin, nucleotide sequences 3019
nucleotide sequences, globins 2402
genomes, repetitive DNA 3017
- Chironomus tentans** (*see Camptochironomus tentans*)
- Chironomus thummi** (*see C. riparius*)
- Chironomus thummi piger** (*see C. riparius piger*)
- Chironomus thummi thummi** (*see C. riparius riparius*)
- Chironomus vancouveri**, genetics, chromosomes, heterochromatin 3015
- Chironomus yoshimatsui**, cadmium, food chains 1168
- Chiroptera**
Argas, Zimbabwe 3155
Ixodoidea, Somalia 313
- Chlamydial trachomatis**
man
assessment 2454-2455
Ethiopia 967
Malawi 1264
vectors
Diptera, transmission 967
Musca sorbens, transmission 1755
- Chlordane** (1,2,4,5,6,7,8,9-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene)
against, *Ixodidae* 1200
mutagenesis, *Escherichia coli* 1959
residues, dwellings 3321
resistance, *Blattella germanica* 593
- Chlordecone** (1,1a,3,3a,4,5,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2H-cyclobuta[cd]pentalen-2-one)
against, *Monomorium pharaonis* 2151
effects, mice 2865
solids, sorption 2871
- Chlordimeform** (*N'*-(4-chloro-2-methylphenyl)-*N,N*-dimethylmethanimidamide)
synergism 590
- Chlorella vulgaris**, effects, organochlorine insecticides 2282
- Chlorfenvinphos** (2-chloro-1-(2,4-dichlorophenyl)ethenyl diethyl phosphate)
against
Amblyomma americanum 795
Ixodidae 1843
Rhipicephalus appendiculatus 3172
formulations, excipients, analysis 2848
- resistance
Ixodidae 515, 1212, 2185
Rhipicephalus sanguineus 534
- toxicity
Amblyomma maculatum 3148
Hyalomma anatomicum 536

Chlorella vulgaris, effects, organochlorine insecticides cont.
with dioxathion, against, Ixodidae 309

Chlorfluazuron (*N*-[[3,5-dichloro-4-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-amino]carbonyl]-2,6-difluorobenzamide)
effects
 Ctenocephalides felis 1606
 Culex pipiens 2046

Chlorobenzilate (ethyl 4-chloro- α -(4-chlorophenyl)- α -hydroxybenzeneacetate)
effects, *Boophilus annulatus* 768

2-Chloro-N-[[[4-(2,2-dichloro-1,1-difluoroethoxy)phenyl]amino]carbonyl]benzamide, effects, *Culex pipiens* 2046

Chloroform, toxicity, *Musca domestica* 1758

Chloromyia formosa, anatomy 141

Chlorophos (see Trichlorfon)

Chlororhinia, taxonomy, keys 1540

Chlorotabanus inanis
ecology, seasonal abundance 2117
forests, French Guiana 2117
French Guiana 2121
monitoring, traps 2121

Chlorotabanus mexicanus
ecology, seasonal abundance 2117
forests, French Guiana 2117
French Guiana 2121
monitoring, traps 2121

Chloropyrifos (*O*,*O*-diethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate)
against
 Amblyomma americanum 795
 Araneae 1892
 Blattella germanica 1315, 2913, 2926
 Boophilus microplus 3146
 Ctenocephalides felis 2329, 2943
 Haematobia irritans 1398
 Periplaneta americana 1567
 Sarcophagidae 2793
 Siphonaptera 229
formulations, controlled release 2048
residues, dwellings 3321
resistance
 Blattella germanica 593
 Culex pipiens 684
 Culex tarsalis 2550
 Rhipicephalus sanguineus 534
susceptibility, *Boophilus microplus* 182
toxicity
 Amblyomma maculatum 3148
 Culex pipiens 2048
 Hyalomma anatomicum 536
 Pimephales promelas 3305
 Stomoxys calcitrans 3075
 with cypermethrin, against,
 Haematobia irritans 1398

Chlorpyrifos-ethyl (see Chloropyrifos)

Chlorpyrifos-methyl (*O*,*O*-dimethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate)
against, *Anopheles sundaicus* 667
susceptibility, *Boophilus microplus* 182

Choanoaenia crateriformis, intermediate hosts, *Leptocephalus*, infection 2744

Choriopetes, cattle, Italy 3211

Chorioptes bovis
cattle
 Africa 2206
 skin diseases 345, 1557, 1852, 2205, 3208
control, acaricides 199, 345, 1852, 2206, 2806, 3208
goats, skin diseases 2806
horses, skin diseases 199
Switzerland 1557

Chortoglyphus arcuatus, house dust, Brazil 210

Chortoicetes terminifera, man, allergies 1511

Chrysomya, taxonomy, keys 1540

Chrysomya albiceps
carrión
 Brazil 955, 965

Chrysomya albiceps cont.
carrión cont.
 South Africa 1299, 1408
 ecology, coexistence 1408
 introduction, America 2393
 monitoring, traps 955
 parasitoids 726-727
 refuse tips, Brazil 2705
 reproduction, ovarian development 965
 taxonomy, larvae 2705
 terpenoids, effects 728

Chrysomya bezziana
cattle, myiasis 1728
control, insecticides 1728
domestic animals, myiasis 1421
India 1421
Papua New Guinea 1540

Chrysomya chloropyga
carrión, South Africa 1408
ecology, coexistence 1408
introduction, America 2393

Chrysomya chloropyga putoria (see *C. putoria*)

Chrysomya marginalis (see *C. regalis*)

Chrysomya megacephala
cadavers, Hawaii 1412
carrión
 Brazil 955, 965
 Hawaii 1548, 1550
 control, growth regulators 152
 distribution, Mexico 2715
 domestic animals, myiasis 1421
 India 1421
 introduction, America 2393
 Malaysia 954
 monitoring, traps 955
 Nematoda, transmission 954
 Papua New Guinea 1540
 poultry droppings, Malaysia 152
 predators 752
 refuse tips, Brazil 2705
 reproduction, ovarian development 965
 rural areas, Brazil 2394
 taxonomy, larvae 2705

Chrysomya putoria
biology, development 2136
carrión, Brazil 955, 965
entomophilic nematodes 2389
monitoring, traps 955
refuse tips, Brazil 2705
reproduction, ovarian development 965
taxonomy, larvae 2705

Chrysomya regalis
carrión, South Africa 1299, 1408
ecology, coexistence 1408

Chrysomya rufifacies
cadavers, Hawaii 1412
carrión, Hawaii 1548, 1550
development, sex determination 3063
distribution, Mexico 2715
genetics, genes, DNA sequences 1169
introduction, America 2393
Malaysia 954
Nematoda, transmission 954
New South Wales 3067
sampling, environmental factors 3067

Chrysomya schoenigi
carrión, Philippines 1148
taxonomy, new species 1148

Chrysomya tagulai
Papua New Guinea 1540
taxonomy, new species 1540

Chrysomya villeneuveii group, taxonomy, keys 1148

Chrysomya yayukae
carrión, Indonesia 1148
taxonomy, new species 1148

Chrysopidae, man, bites 163

Chrysops
cattle, Europe 1757
control, insecticides 1757
ecology, seasonal abundance 1629
filariids, Nigeria 3240
Jamestown Canyon virus, transmission 1629

Molluscidae, USA 2141
taxonomy, keys 3072
USSR 723

Chrysops centurionis
morphology, larvae 1167
Nigeria 1167

Chrysops discalis, *Acholeplasma* 2269

Chrysops distinctipennis
morphology, larvae 1167
Nigeria 1167

Chrysops flavidus
fluorescent dyes, marking 2590
marshes, Louisiana 2590

Chrysops indianus
livestock, India 3012
repellents 3012

Chrysops longicornis
morphology, larvae 1167
Nigeria 1167

Chrysops oboletus, taxonomy, larvae 3072

Chrysops silaceus
morphology, larvae 1167
Nigeria 1167

Chrysozona (see *Haematopota*)

Chthamalus dalli, *Hemioniscus balani*, models, parasitism 1295

Chthamalus fissus, *Hemioniscus balani*, models, parasitism 1295

Ciconiphilus decimfasciatus, *Bubulcus ibis*, Queensland 520

Cimex hemipterus
Cimex lectularius
hybridization 2019-2020
markers 1600
control, insecticides 22
poultry housing, Israel 22
reproduction, spermatozoa, motility 2534
South Africa 2019

Cimex lectularius
bacteria, transmission 2326

Cimex hemipterus
hybridization 2019-2020
markers 1600
fowls 2326
growth regulators, effects 2021
insecticides, toxicity 23
man, skin diseases 1926
South Africa 2019
ultrastructure, eyes 887

Cimicidae
books 577
man, hypersensitivity 2467
vectors, human immunodeficiency virus, transmission 557

Cinclidium leucurum, *Leptotrombidium harrisoni*, Thailand 1855

1,8-Cineole, repellents, *Aedes aegypti* 2966

Ciodrin (see *Crotoxyphos*)

Ciovap (see *Crotoxyphos*, with dichlorvos)

Circellium bacchus, physiology, ectothermy 2150

Citellophilus tesquorum
sampling 24
Spermophilus undulatus, USSR 24

Citellus dauricus (see *Spermophilus dauricus*)

Citellus undulatus (see *Spermophilus undulatus*)

Citrobacter, vectors, Diptera, transmission 1161

Citrobacter diversus, vectors, Diptera, transmission 1161

Citrobacter freundii, vectors, Diptera, transmission 1161

1-Citronenyl-2-phenyl imidazole, inhibitors, juvenile hormone III, biosynthesis 2315

1-Citronenyl-4-phenyl imidazole, inhibitors, juvenile hormone III, biosynthesis 2315

1-Citronenyl-5-phenyl imidazole, inhibitors, juvenile hormone III, biosynthesis 2315

Cladocera
carbaryl, effects 2294
teflubenzuron, effects 2964
temephos, effects 2851, 3302

Cladotanytarsus lewisi
allergens, characterization 966
man, allergies 966

Clarias batrachus
aldrin, effects 1279
insecticides
 effects 387
 toxicology 386

- Clarias fuscus**, against, *Aedes aegypti* 2354
- Cleaning**, against, house dust mites 1881
- Cleridae**
- carion
 - Hawaii 1548
 - South Africa 1299
- Clethrionomys glareolus**
- Macrocheles nataliae*, Poland 3204
 - tickborne encephalitis virus, Europe 1541
 - Trombiculidae, injuries 3174
- Clethrionomys rufocaninus**, *Haemogamasus*, Korea Republic 2209
- Cloeoetes percivali australis**, *Hipposiderobia cloeoetes*, Zaire 189
- Closantel** (*N*-[5-chloro-4-[(4-chlorophenyl) cyanomethyl]-2-methylphenyl]-2-hydroxy-3,5-diiodobenzamide) against, *Linognathus ovillus* 1584
- Clothing**
- carbamate insecticides, removal, detergents 1283
 - impregnated fabrics
 - permethrin 2609
 - repellents 2628
 - pesticides, poisoning 3301
 - prophylaxis, *Lutzomyia* 260
- CME-134** (*see* Teflubenzuron)
- Cnemidophorus gularis gularis**, prey, *Dermacentor parumapertus* 1837
- Cnemidophorus tesselatus**, prey, *Otocoris megistus* 1837
- Cnephia pilfreyi**
- Australian Capital Territory 2992
 - taxonomy, new species 2992
- Coasts**, Acari, UK 1484
- Cobboldia elephantis**
- domestic animals, myiasis 1421
 - India 1421
- Cochliomyia**
- livestock, myiasis 2112
 - Mexico 2112
- Cochliomyia hominivorax**
- America 126
 - bacteria, attractants 1149
 - behaviour
 - host searching behaviour 1149
 - mating behaviour 473 - biology
 - development 3030
 - nutrition 1405 - control
 - integrated control 286
 - sterile insect release 126, 2185 - dogs, myiasis 285
 - ecology, environmental factors 477
 - genetics
 - chromosomes 503
 - mutants 502 - laboratory rearing 3030
 - livestock
 - Caribbean 2185
 - myiasis 477 - Mexico 286, 2704
 - monitoring, traps 3032
 - myiasis 2704
 - pastures, Mexico 3032
 - Proteus mirabilis*, antibacterial agents 733
 - rearing techniques 119
 - sampling 3032
 - sex pheromones 473
 - sheep, myiasis 3030
- Cocoa husks**, *Trichopropodon digitatum*, Venezuela 46
- Cocoa plantations**
- Glossina*, Ivory Coast 2097
 - Glossina palpalis*, Ivory Coast 1382
- Coconut plantations**, *Mansonia*, India 915
- Cod**
- Caligus*, Atlantic Ocean 1498
 - Euchaeta norvegica*, Atlantic Ocean 1501
- Coelomomyces**, hosts, *Aedes albopictus* 1642
- Coelomomyces africanus**, hosts, *Anopheles* 2576
- Coelomomyces indicus**
- hosts
 - Anopheles gambiae* 2044
- Coelomomyces indicus cont.**
- hosts cont.
 - Anopheles subpictus*, pathogenicity 423
 - intermediate hosts
 - Cyclops* 423
 - Microcyclops minutus* 2044
- Coelomomyces psorophorae psorophorae**, hosts, Culicidae, prevalence 2565
- Coelomomyces stegomyiae**, hosts, *Aedes aegypti*, pathogenicity 31
- Coelomycidium**, hosts, Simuliidae 262
- Coelopa frigida**
- behaviour, mating behaviour 2144
 - ecology, nutrition 1160
 - seaweeds, UK 1160
- Coelops frithi**, *Hipposiderobia coelops* 189
- Coffee plantations**
- Glossina*, Ivory Coast 2097
 - Glossina fuscipes*, Uganda 2099
 - Glossina palpalis*, Ivory Coast 1382
 - Simulium*, Mexico 942
- Coleoptera**
- entomogenous fungi 3272
 - Gordius* 3119
 - mammals, Brazil 1558
 - pig housing, German Federal Republic 1761
 - teflubenzuron, effects 2964
- Colinus virginianus**
- carbofuran, effects 1964
 - insecticides, effects 2869
 - Lagenidium giganteum*, effects 3260
- Collar tapes**, cattle, Diptera 232
- Collocaia esculenta**, *Lukoschuscoptes asiacicus*, Philippines 2215
- Colombia**
- Aedes aegypti* 1655
 - Alagoas virus, epidemiology 2370
 - Amblyomma neumannii* 328
 - insects as food 3102
 - Onchocerca volvulus*, epidemiology 2676
 - Plocopsylla nungui* 2535
 - Trypanosoma rangeli*, epidemiology 2013
- Colpocephalum turbinatum**, pigeons, Belgium 586
- Columba livia** (*see also* Pigeons)
- Columba oenas**, *Carnus hemapterus*, German Federal Republic 1399
- Columbicola columbae**, pigeons, Belgium 586
- Comoros**
- Anopheles gambiae* 1630
 - aquatic organisms, checklists 1055
- Computer analysis**, pesticides, screening 3287
- Conferences**
- Biological control of pests, pathogens and weeds 3280-3283, 3352
 - Integrated pest management 2884
 - Integrated tsetse fly control 1120-1142, 1288, 1380
 - Interdisciplinary Conference on Primary Health Care in the Tropics, Tropical Diseases and Zoonoses 2975, 3351
 - International Congress of Parasitology 3160, 3247, 3339
 - International Symposium of Veterinary Laboratory Diagnosticicians 338
 - International Symposium on Diseases of Zoo Animals 513, 538
 - Management of pesticide resistance 2881
 - Parasitology and pathology of marine organisms of the world ocean 1905-1907
 - Recent advances in research in tropical entomology 2886-2890, 3337, 3353
 - Second American Symposium on Animal, Plant and Microbial Toxins 756, 820-834, 851, 867
 - Second International Symposium on Fruit Flies 412
 - Seminar on filariasis 1104-1105, 1115-1117
- Connochaetes gnou**, *Hyalomma*, South Africa 1197
- Congo**
- AIDS, epidemiology 1712
 - Armillifer* 2824
 - Culicoides* 692
 - Glossina* 465, 1716
 - Glossina frezili* 103
 - Glossina fuscipes* 463, 1715
 - Glossina palpalis* 102, 266
 - Sergentomyia* 83
- Congo virus**
- monoclonal antibodies, identification 2251
 - vectors
 - Hyalomma*, South Africa 1197
 - Ixodoidea
 - reviews 1001
 - West Africa 781
- Copepoda**
- Cestoda*, infection 1904
 - Dracunculus medinensis*
 - Nigeria 3235
 - Uganda 3236 - Epinephelus malabaricus*, Malaysia 1908
 - marine fishes, Atlantic Ocean 1905-1906
 - teflubenzuron, effects 2964
 - temephos, effects 2851, 3302
 - Xiphias gladius*, Indian Ocean 1907
- Copper**
- accumulation, *Musca domestica* 149
 - toxicity
 - aquatic organisms 567
 - Chironomus decorus* 737-738
- Coripis anceps**
- cattle dung, South Africa 3089
 - ecology, seasonal abundance 3089
- Coripis laeviceps**
- biology, reproduction 2149
 - cattle dung, Mexico 2149
- Coripis pecuarium**, morphology, antennae 158
- Coproica**
- cattle dung, Texas 2755
 - parasitoids 2755
- Coproica acutangula**, cattle dung, Bulgaria 1390
- Coproica ferruginata**, cattle dung, Bulgaria 1390
- Coproica hirtula**
- ecology
 - seasonal abundance 1785
 - spatial distribution 2902 - parasitoids 2755
 - poultry droppings 2902
 - Massachusetts 1785
 - predators 2902
- Coprophanaeus telamon corythus**
- ecology 3087
 - fish, Mexico 3087
- Coptopsyllidae**, morphology 1327
- Coquillettidia**, UK 2876
- Coquillettidia crassipes**, *Cardiovilaria nilesi*, transmission 2972
- Coquillettidia perturbans**, breeding places, Florida 2558
- Coquillettidia richiardii**, *Spiroplasma*, France 665
- Cordyceps dipterigena**, hosts, Caliphoridae 1397

- Coremacera marginata**
ecology 740
Irish Republic 740
- Corethrella appendiculata**, morphology, mouthparts 1735
- Corethrella brakeleyi**, morphology, mouth-parts 1735
- Corethrella laneana**, morphology, mouth-parts 1735
- Corethrella metcalfi**
Mexico 1752
morphology, sensilla 1752
taxonomy, new species 1752
- Corethrella wirthi**, morphology, mouth-parts 1735
- Corycididae**, Iberian Peninsula, catalogues 2327
- Corvus**, *Haemogamasus*, Korea Republic 2209
- Corvus corone**, *Carnus hemapterus*, German Federal Republic 1399
- Corvus monedula**
Carnus hemapterus, German Federal Republic 1399
Dermacentor silvarum, China 2181
- Corynebacterium pyogenes** (see *Actinomyces pyogenes*)
- Costa Rica**
Dermatobia hominis 2385
Lutzomyia youngi 1687
Pattonella intermutans 964
Polistes erythrocephalus 1763
Polistes pacificus 3116
Rhodnius pallescens 606
Rhytidelasma bicostata 3195
Triatomida dimidiata 2017
- Cottonseed oil**, insecticides, synergism 2740
- Coumaphos** (O -(3-chloro-4-methyl-2-oxo- $2H$ -1-benzopyran-7-yl) O,O -diethyl phosphorothioate)
against
Chorioptes bovis 2806
Muscidae 146
Sarcopetes scabiei 543, 2430
Sarcophagidae 345
bioassays, *Haematobia irritans* 3016
effects, goats 3326
poisoning, rats 1534
resistance
Boophilus microplus 1458
Haematobia irritans 1403
Ixodidae 1212
Rhipicephalus sanguineus 534
toxicity
Amblyomma maculatum 3148
Stomoxys calcitrans 3075
- Counter** (see *Terbufos*)
- Cowdria**
vectors
Ixodidae
Sudan 1215
transmission 518
- Ixodoidea* 314
- Cowdria ruminantium**
epidemiology 2250
livestock, Botswana 1194
vectors
Amblyomma variegatum, infection 2768
- Ixodidae*
Burundi 1209
Malawi 1213
Zambia 1212
Zimbabwe 1214
- Coxiella**
vectors
ectoparasites 554
Ixodoidea 314
- Coxiella burnetii**
epidemiology, reviews 1507
vectors, *Ixodoidea*, reviews 1001
- Craugastor**, Mallophaga, Venezuela 14
- Crematogaster**, prey, *Ixodidae* 3152
- Creolin**, with lindane, against, *Psoroptes ovis* 2792
- Crocephilus maxillosus**, carrion, Hawaii 1548
- Cricetulus barabensis**, *Androlaelaps fahrenholzi*, China 1479
- Cricetulus triton**, *Androlaelaps fahrenholzi*, China 1479
- Cricotopus**
ecology, urbanization 1983
entomophilic nematodes 2253
- Cricotopus bicinctus**
behaviour, foraging behaviour 1297
predators 1297
- Cricotopus sylvestris**
behaviour, foraging behaviour 1297
predators 1297
- Crimean-Congo haemorrhagic fever** (see also Congo virus)
- Crithidia fasciculata**, hosts, *Glossina*, pathogenicity 2092
- Crocidae**, *lasiura*, *Haemogamasus*, Korea Republic 2209
- Crotamiton** (N -ethyl- N -(2-methyphenyl)-2-butenamide)
against
Pediculus capititis 1586
Sarcopetes scabiei 3186
- Crotiscus brennani**
Lestoros inca, Peru 1245
taxonomy, new species 1245
- Crotoxyphos** ((E)-1-phenylethyl 3-[dimethoxyphosphinyl]oxy]-2-butenoate)
against
Diptera 2742-2743
Hydrotaea irritans 2115
repellents, *Hydrotaea irritans* 1157
resistance, *Ixodidae* 2185
toxicity, *Musca domestica*, parasitoids 3062
with dichlorvos, against, *Muscidae* 135
- Crustacea**
fishes, books 3340
malathion plus lindane, effects 3306
- Cryptocyclops**, villages, Burkina Faso 1910
- Cryptostigmata**, coasts, UK 1484
- Cryptotis nigrescens**, *Sasacarus panamense*, Panama 2211
- Cryptotis parva**, *Ixodidae*, Tennessee 1832
- Cryptotylus unicolor**
ecology, seasonal abundance 2117
forests, French Guiana 2117
French Guiana 2121
monitoring, traps 2121
- Ctenocephalides**
bath oils, repellents 1604
cats 1331
control 26
insecticides 27, 229, 1331
Denmark 3354
dogs 27, 1604
Alabama 26
hypersensitivity 230
Morocco 2309
reviews 2312
pets 229
- Ctenocephalides canis**
dogs
Czechoslovakia 2910
hypersensitivity, diagnosis 2331
man, bites 1926
Ctenocephalides felis felis
control, insecticides 1603, 2329, 2943
dogs 2329
Argentina 1990
hypersensitivity, diagnosis 2331
immune response 2330
skin diseases 1603
dwellings 2943
growth regulators, effects 1606
D-Limonene, toxicity 1605
man, bites 1926
physiology, vision 1330
rearing techniques 2537
rodents, Egypt 2024
- Ctenocephalides felis felis**, *Dipylidium caninum*, infection 2328
- Ctenolepis longicaudata**, man, allergies 1511
- Ctenomys barbarus**, *Eulinognathus*, Argentina 883
- Ctenomys brasiliensis**, *Eulinognathus americanus*, Paraguay 883
- Ctenomys latro**, *Eulinognathus wernecki*, Argentina 883
- Ctenomys mendocinus**, *Eulinognathus torquatus*, Argentina 883
- Ctenomys opimus**, *Eulinognathus boliviensis*, Bolivia 883
- Ctenomys sericeus**, *Eulinognathus patagonicus*, Argentina 883
- Ctenomys talarum**, *Eulinognathus americanus*, Paraguay 883
- Ctenomys torquatus**, *Eulinognathus torquatus*, Argentina 883
- Ctenophthalmus agrytes**
ecology 25
small mammals, USSR 25
- Ctenophthalmus agrytes impavidus**, *Apodemus agrarius*, Italy 588
- Ctenophthalmus pseudagyrtes**, *Parascalops breweri*, USA 3193
- Ctenophthalmus uncinatus**
ecology 25
small mammals, USSR 25
- Ctenopsylla segnis** (see *Leptopsylla segnis*)
- Cuba**
Boophilus microplus 512
dengue, epidemiology 369-370
dengue haemorrhagic fever, epidemiology 1913
fowl, ectoparasites 1248
Ixodidae 2772
- Culex**
arboviruses, transmission 1361
Argentina 1650
biochemistry, enzymes 1658
blood-meals 1650
Brazil 559
breeding places, Iran 2611
Caraparu virus 559
control 1976
microbial pesticides 1085
diapause, reviews 1361
entomopathogenic protozoa 2576
filariids 1976
Nigeria 3240
horses, skin diseases 409
identification, audiovisual aids 1613, 2344
insecticide resistance, selection 2850
Iraq 2053
Italy 409
Malaysia 2576
man, USSR 625
parasites, prevalence 2565
phytotelmata, Indonesia 1054
ponds, Alberta 2565
predators 674, 1082
taxonomy, keys 2053
UK 2876
- Culex amazonensis**, habitats, Brazil 75
- Culex annulirostris**
arboviruses, transmission 689, 2034
Australian Northern Territory 689
ecology
population ecology 638, 689
seasonal abundance 1088
entomopathogenic protozoa 1647
forests, Victoria 638
horses 2034
man
Australia 441
Queensland 2609
Murray Valley encephalitis virus
Australia 2831
transmission 441
repellents 2609
swamps, Australian Northern Territory 1088
- Culex antennatus**
distribution, Egypt 655
ecology 655
man, Liberia 1105
Rift Valley fever virus, transmission 254
- Wuchereria bancrofti*, infection 1105
- Culex australicus**, Murray Valley encephalitis virus, Australia 2831
- Culex bahamensis**, Dominican Republic 414
- Culex bidens**, habitats, Brazil 75
- Culex bitaeniorhynchus**
dwellings, India 675
fowl 913

- Culex bitaeniorhynchus cont.**
 Japanese encephalitis virus, transmission 913
- Culex chidesteri**, habitats, Brazil 75
- Culex corniger**, habitats, Brazil 75
- Culex declarator**, habitats, Brazil 75
- Culex delontei**
 Argentina 1650
 blood-meals 1650
- Culex erraticus**
Anolis carolinensis, Florida 2557
 behaviour, flight 2586
 Florida 2586
Plasmodium floridense, transmission 2557
Schellackia, transmission 1355
- Culex erythrothorax**, sewage effluent, California 2550
- Culex fatigans** (*see C. quinquefasciatus*)
- Culex fuscans**
 ecology, seasonal abundance 2591
 Japan 2591
- Culex gairus**, habitats, Brazil 75
- Culex gelidus**, dwellings, India 675
- Culex halifaxii**
 ecology, seasonal abundance 2591
 Japan 2591
- Culex harrisoni**, distribution, India 2070
- Culex imitator**, habitats, Brazil 75
- Culex martinii**, distribution, Israel 662
- Culex modestus**
 control, barriers 1096
 man, USSR 628
 rearing techniques 658
 rice fields, China 1096
- Culex nigripalpus**
 Alabama 2573
Bacillus thuringiensis, pathogenicity 1345
 behaviour, flight 2586
 control
 habitat destruction 1351
 microbial pesticides 1347
 Dominican Republic 414
 Florida 2586
 growth regulators, effects 2577
 habitats, Brazil 75
 physiology, digestion 2347
 sewage, Florida 1347
Spiroplasma, prevalence 2573
 waste water, Florida 1351
- Culex ocellatus**, habitats, Brazil 75
- Culex pedroi**
 Venezuela 1635
 Venezuelan equine encephalitis virus, transmission 1635
- Culex peus**
 California 2617
 monitoring, traps 2617
 sewage effluent, California 2550
- Culex pilosus**
 behaviour, flight 2586
 Florida 2586
- Culex pipiens**
Bacillus sphaericus
 pathogenicity 214, 248, 1931
 toxins
 enzymes 687
 toxicity 1526, 3267
Bacillus thuringiensis, toxins, toxicity 3269
 behaviour
 flight 2040
 haematophagy 1101
 biology, diapause 1100
 cell lines, human immunodeficiency virus, infection 433
chlorpyrifos, resistance 684
 control
 biological control 2606
 microbial pesticides 234, 621, 2613
destruxins, toxicity 497
 diapause, reviews 1361
diffubenzuron, effects 2357
 distribution, Israel 662
 dwellings, USSR 626
 Egypt 2055
 entomogenous fungi 622
 entomopathogenic bacteria, pathogenicity 37, 78, 2045
 France 684, 1356, 2648
- Culex pipiens cont.**
 gamma radiation, effects 1354
 genetics
 autogeny 1100
 DNA sequences 2051
 insecticide resistance 684, 1356
 population genetics 2648
 German Federal Republic 234
 growth regulators, effects 2046
 hosts, *Bacillus sphaericus*, pathogenicity 679
 insecticides
 blood-meals, effects 245
 toxicity 2048, 2050
 Israel 1100
Lagenidium giganteum, pathogenicity 411
 malathion, effects 1354
 man
 Italy 871
 Nigeria 2977
Oryctolagus cuniculus, Italy 871
 physiology
 chemical composition 1929
 endocrine system 2653
 feeding 40, 2953
 ponds, Iowa 2613
 Rift Valley fever virus, infection 1618, 2035, 2546
Romanomermis culicivora, infection 1612
 St. Louis encephalitis virus, Colorado 560
Selenastrum, trophic relations 635
 sewage effluent, Sweden 2572
 sewage systems 635
 South Africa 2040
 Sweden 1101
 taxonomy 2040
tolypin, toxicity 1649
 UK 2040
 urban areas, Egypt 2025
 USSR 621-622
 vertebrates 38
 West Nile virus, transmission 38
Wuchereria bancrofti
 transmission 2977
 vector competence 2055
- Culex pipiens autogenous** (*see C. pipiens form molestus*)
- Culex pipiens complex**
Bacillus thuringiensis, pathogenicity 56
 St. Louis encephalitis virus, transmission 2640
 taxonomy 2640
- Culex pipiens fatigans** (*see C. quinquefasciatus*)
- Culex pipiens form molestus**
Brugia, infection 2031
 control, microbial pesticides 630
Culex quinquefasciatus, hybridization 1651
cyclosporins, toxicity 1648
 France 1356
 genetics
 cytogenetics 1660
 insecticide resistance 1356
 morphology, larvae 1086
 physiology, immune system 2031
 reproduction, autogeny 2058
 taxonomy 2040
Tolyphocladium, pathogenicity 2351
 UK 2040, 2876
 USSR 630
- Culex pipiens molestus** (*see C. pipiens*)
- Culex pipiens pallens**
Bacillus sphaericus, toxins, toxicity 1340
 biochemistry, vitellogenins 2346
 China 59
 control
 barriers 1096
 growth regulators 666
 ditches, Japan 666
 ecology 54
 diapause 59
 genetics, genes, genetic markers 2061
 insecticides
 resistance 2059-2060
 resistance management 3285
 man, China 54
- Culex pipiens pallens cont.**
 physiology, flight, sounds 2062
 rice fields, China 1096
Wuchereria bancrofti, transmission 54
- Culex pipiens pipiens**
Androctonus australis, toxins, toxicity 2814
 bacteria, oviposition attractants 44
 biochemistry, enzymes 2056
 biology, development 1370
 control, microbial pesticides 630
 ecology, diapause 1370
 Finland 1370
 man, USSR 628
 St. Louis encephalitis virus, transmission 2951
 urban areas, Colorado 2951
 USSR 630
- Culex pipiens pipiens × C. quinquefasciatus**, genetics, heterosis 921
- Culex pectorale**, habitats, Brazil 75
- Culex pseudovishnui**
 biology 681
 India 681
 Japanese encephalitis virus, India 419
- Culex pusillus**, urban areas, Egypt 2025
- Culex quinquefasciatus**
 abamectin, toxicity 424
 aromatic compounds, phototoxicity 2567
- Bacillus sphaericus**
 pathogenicity 422, 2641
 toxins, toxicity 1340, 3271
- Bacillus thuringiensis**
 pathogenicity 421, 444, 906, 1345-1346
 toxins, toxicity 911, 2644
 bacterial insecticides, effects 237
 behaviour, feeding behaviour 1368
 biochemistry, enzymes 2056
 Brazil 923
 breeding places
 French Polynesia 2545
 India 914, 916-917
 Louisiana 2616
- Brugia pahangi**, susceptibility 2041
- California 2617
- cell lines
Bacillus sphaericus
 toxins
 pathology 893
 toxicity 410, 687, 1662
- Bacillus thuringiensis*, toxins, toxicity 1268
- Spiroplasma mirum*, propagation 1003
- cesspools, Ivory Coast 634, 670
- coir, pits, Sri Lanka 2027
- control
 barriers 1096
 biological control 2545, 2598-2599
 growth regulators 417, 670, 916-917
 habitat destruction 1351
 insecticides 418, 912, 914, 1344, 2552
 integrated control 1661
 microbial insecticides 668
 microbial pesticides 634, 677, 910, 1087, 1347, 2637
 mosquito nets 2066
 sterilization 922
- Culex pipiens**, hybridization 1651
- dwellings
 India 418, 675, 912
 Texas 918
- ecology
 population ecology 2039
 seasonal abundance 2591
- entomogenous fungi, pathogenicity 2043
- entomopathogenic bacteria 2576
 pathogenicity 43, 420
- Florida 1344
- fluorescent dyes, marking 2590
- gamma radiation, sterilization 1651
- genetics
 chromosome maps 1639
 mutants 72, 904
- growth regulators, effects 1528, 2577
- habitats, Brazil 75
- Haiti 1611

- Culex quinquefasciatus cont.**
- hepatitis B virus, transmission 2348
 - India 1639, 2338
 - insecticides, susceptibility 923
 - Japan 2591
 - Lagenidium giganteum*, pathogenicity 2562
 - Malaysia 2576
 - man
 - Dominican Republic 414
 - South Africa 2348
 - marshes, Louisiana 2590
 - Metarhizium anisopliae*, pathogenicity 2266
 - monitoring, traps 922, 2617
 - morphology, larvae 1086
 - natural enemies 2616
 - Oropouche virus, transmission 1632, 1637
 - plant extracts, effects 2300
 - predators 909
 - rice fields
 - China 1096
 - Louisiana 1661
 - St. Louis encephalitis virus, transmission 918
 - sewage, Florida 1347
 - sewage effluent, California 2550
 - teflubenzuron, activity 2964
 - Trinidad and Tobago 1667
 - urban areas
 - Louisiana 2552
 - Malaysia 922
 - South Africa 2039
 - South Carolina 243
 - villages, China 2066
 - waste water, Florida 1351
 - water containers
 - India 417
 - Mexico 690
 - Wuchereria bancrofti* 243
 - prevalence 1667
 - transmission 414, 1611
- Culex restuans**, *Lagenidium giganteum*, pathogenicity 2562
- Culex roseni**
 - breeding places, French Polynesia 2545
 - control, biological control 2545
- Culex salinarius**
 - breeding places, Louisiana 2616
 - control, habitat destruction 1351
 - entomopathogenic protozoa 2272
 - growth regulators, effects 2577
 - natural enemies 2616
 - pesticides, toxicity 2592
 - rice fields, Louisiana 2592
 - Rift Valley fever virus, transmission 1093
 - waste water, Florida 1351
- Culex saltanensis**, habitats, Brazil 75
- Culex sitiens**
 - ecology, salt tolerance 2650
 - entomopathogenic protozoa 2576
 - Malaysia 2576
 - salt marshes, India 2650
- Culex tarsalis**
 - behaviour, feeding behaviour 1616
 - biochemistry, acid phosphatases 671
 - biology, autogeny 2621
 - breeding places, California 2954
 - California 1616, 2617
 - cell lines, *Bacillus thuringiensis*, toxins, toxicity 564
 - control 1366
 - biological control 2622, 2645
 - diapause, reviews 1361
 - genetics, insecticide resistance 2601
 - histochemistry, digestive system 63
 - insecticides, resistance 2550
 - malathion, resistance 247
 - mating, assortative mating 2575
 - monitoring, traps 2617
 - physiology, nutrition 2954
 - rice fields
 - California 2622, 2645
 - USA 1366
 - Rift Valley fever virus, transmission 1093
 - St. Louis encephalitis virus
 - Colorado 560
 - transmission 2951
 - Culex tarsalis* cont.
 - sewage effluent, California 2550
 - teflubenzuron, activity 2964
 - urban areas, Colorado 2951
- Culex territanus**
 - Anolis carolinensis*, Florida 2557
 - control, microbial pesticides 2566
 - ecology, breeding places 617
 - Lagenidium giganteum*, pathogenicity 2562
 - man, USSR 628
 - Plasmodium floridense*, infection 2557
 - ponds, Alberta 2566
 - Rift Valley fever virus, transmission 1093
 - standing water, North Carolina 617
- Culex theileri**, biology, reproduction 2037
- Culex torrentium**
 - behaviour
 - feeding behaviour 2962
 - haemophagy 1101
 - morphology, mouthparts 2962
 - sewage effluent, Sweden 2572
 - Sweden 1101
- Culex tritaeniorhynchus**
 - Bacillus sphaericus*, toxins, toxicity 1340
 - cell lines, *Spiroplasma mirum*, propagation 1003
 - control
 - barriers 1096
 - microbial pesticides 2071
 - mosquito nets 2066
 - India 2338
 - insecticide resistance, resistance mechanisms 2647
 - insecticides, resistance 252
 - Japanese encephalitis virus
 - infection 253
 - transmission 1504
 - physiology, reproduction 445
 - pulp mill effluent, India 907, 2071
 - rice fields, China 1096
 - Romanomermis iyengari*, infectivity 907
 - Spiroplasma*, Taiwan 846
 - Spiroplasma taiwanense*, Taiwan 683
- Culex univittatus**
 - arboviruses, transmission 2345
 - distribution, Israel 662
 - man, South Africa 2345
- Culex vishnui**
 - arboviruses, India 419
 - biology 681
 - control, microbial pesticides 426
 - India 681
 - plantations, India 426
- Culicidae**
 - autographs 233
 - agriculture, reviews 35
 - air transport 2827
 - arboviruses, Australia 1508
 - Asia, bibliographies 576, 1535
 - audiovisual aids 1334
 - bacteria, oviposition attractants 65
 - behaviour
 - feeding behaviour 2962
 - flight 233
 - biochemistry, enzymes 1658
 - blood-meals, identification 676
 - books 577
 - Brazil 65
 - breeding places
 - Louisiana 2616
 - USSR 630
 - Brugia*, detection 2657
 - cell lines
 - arboviruses, infection 1360
 - biochemistry, reviews 1360
 - genetics, reviews 1360
 - checklists, Korea Republic 1363
 - China 58
 - control 35, 919
 - bacterial insecticides 244
 - biological control 50, 393, 674, 1367, 2349, 2649
 - insecticides 66, 1947, 2632
 - integrated control 240
 - microbial pesticides 623, 630, 2473
 - nontarget effects 866, 2852
 - public relations 1352, 2585
- Culicidae cont.**
 - control cont.
 - reviews 2571
 - dairy farms, California 2110
 - Denmark 3354
 - distribution, Michigan 2580
 - ecology, habitats 35
 - embryology, gynandromorphs 1349
 - entomophilic nematodes 3274
 - estuaries, Florida 2852
 - Florida 1947
 - habitats, Brazil 75
 - horses, German Federal Republic 232
 - human immunodeficiency virus, transmission 372
 - India 240
 - inoculation, arboviruses 1672
 - irrigation water, Romania 66
 - Lepidoptera, blood, feeding 3090
 - man, hypersensitivity 2467
 - morphology, mouthparts 2962
 - mosquito-borne diseases 576
 - Bangladesh 1640
 - transmission 2355
 - natural enemies 2616
 - Omsk haemorrhagic fever virus, transmission 1047
 - Onchocercidae, host parasite relationships 443
 - oviposition traps 2583
 - physiology, haemophagy 1081
 - phytotelmata, Venezuela 891
 - plant extracts
 - effects 1938
 - toxicity 1042
 - Plasmodium* 2975
 - transmission 250, 919
 - models 1659
 - Plasmodium malariae*, detection, ELISA 1091
 - predators 47, 871, 896, 1083, 1098, 1336, 1644, 1664
 - preservation, audiovisual aids 1614
 - rabbits, restraint 391
 - rearing techniques 2582
 - research, reviews 575
 - Retroviridae, transmission 364
 - Rift Valley fever virus 2032, 3242
 - rivers, Malaysia 1332
 - sampling 1348
 - larvae 2607
 - satellite imagery, remote sensing 2032
 - Spiroplasma* 853
 - streams, islands 1055
 - taxonomy, keys 2876
 - techniques, collection 2501
 - UK 2571
 - books 2876
 - vectors, human immunodeficiency virus, transmission 557
 - Culicinae**
 - distribution, Israel 662
 - taxonomy, keys 2053
 - Culicinomyces bisporalis**
 - hosts, *Aedes kochi* 2957
 - Queensland 2957
 - taxonomy, new species 2957
 - Culicinomyces clavosporus**, hosts, Culicidae, prevalence 2565
 - Culicinomyces parasiticus**, taxonomy, new combination 2957
 - Culicoides**
 - biology, diapause 694
 - bluetongue virus 79
 - India 2667
 - filariids, Nigeria 3240
 - forests, UK 2361
 - Kampuchea 2983
 - mud, France 694
 - parks, Italy 871
 - sampling 256
 - Sarcocystis purpurea*, Pennsylvania 2985
 - Surinam 693
 - taxonomy, keys 2983
 - Culicoides achranyi**, taxonomy, isoenzymes 2663
 - Culicoides asiaticus**
 - morphology, seasonal variation 691
 - USSR 691

- Culicoides barbosai*
ecology, seasonal abundance 2661
Florida 2661
- Culicoides bernardae*
Congo 692
taxonomy, new species 692
- Culicoides brevitarsis*
Akabane virus, transmission 1372
Australia 1107
behaviour, dispersal 1372
bluetongue virus, transmission 1107,
1672
cattle, New South Wales 1372
- Culicoides brunneans group*
ecology, seasonal abundance 448
UK 448
- Culicoides camboiensis*
Kampuchea 2983
taxonomy, new species 2983
- Culicoides chiopterus*, taxonomy,
isoenzymes 2663
- Culicoides circumscriptus*, taxonomy,
isoenzymes 2663
- Culicoides clastrieri*
biology, diapause 694
mud, France 694
taxonomy, isoenzymes 2663
- Culicoides clintoni*
ecology, seasonal abundance 448
UK 448
- Culicoides cubitalis*
ecology, seasonal abundance 448
UK 448
- Culicoides dewulfi*, taxonomy, isoenzymes
2663
- Culicoides diamouanganai*
Congo 692
taxonomy, new species 692
- Culicoides dzhafarovii*
morphology, seasonal variation 691
USSR 691
- Culicoides edeni*
ecology, seasonal abundance 1108
Florida 1108
horses, skin diseases 1108
- Culicoides floridensis*
ecology, seasonal abundance 2661
Florida 2661
- Culicoides furens*
control, insecticides 2664
ecology 79
seasonal abundance 2661, 2984
Florida 2661, 2664
Georgia 2984
livestock, Jamaica 79
morphology, mouthparts 2986
- Culicoides glabripennis*
Congo 692
taxonomy 692
- Culicoides grahamii*, taxonomy 692
- Culicoides guyanensis*, man, Surinam 693
- Culicoides haematopodus*
ecology, seasonal abundance 1108
Florida 1108
horses, skin diseases 1108
- Culicoides halophilus*
morphology, seasonal variation 691
USSR 691
- Culicoides heliophilus*
ecology, seasonal abundance 448
UK 448
- Culicoides hollensis*
ecology, seasonal abundance 2984
Georgia 2984
morphology, mouthparts 2986
- Culicoides impunctatus*
bluetongue virus, vector potential 2666
ecology, seasonal abundance 448
UK 448, 2666
- Culicoides insignis*
ecology 79
seasonal abundance 1108
Florida 1108
horses, skin diseases 1108
livestock, Jamaica 79
- Culicoides loughnani*, distribution, Georgia 2984
- Culicoides melleus*
ecology, seasonal abundance 2984
Georgia 2984
morphology, mouthparts 2986
- Culicoides milnei* group, taxonomy, keys,
Afrotropical Region 692
- Culicoides mississippiensis*
ecology, seasonal abundance 2661
Florida 2661
- Culicoides musilator*, taxonomy,
isoenzymes 2663
- Culicoides niger*
ecology, seasonal abundance 1108
Florida 1108
horses, skin diseases 1108
- Culicoides nubeculosus*
bluetongue virus, vector potential 2666
taxonomy, isoenzymes 2663
UK 2666
- Culicoides oboletus*, taxonomy,
isoenzymes 2663
- Culicoides oboletus group*
ecology, seasonal abundance 448
UK 448
- Culicoides odibilis*
ecology, seasonal abundance 448
taxonomy, isoenzymes 2663
UK 448
- Culicoides oxyystoma* (see *C. schultzei*)
- Culicoides pallidicornis group*
ecology, seasonal abundance 448
UK 448
- Culicoides paraensis*
Brazil 1671
control, environmental management
1671
man, Surinam 693
- Culicoides pictipennis*
ecology, seasonal abundance 448
UK 448
- Culicoides pongsomiensis*
Kampuchea 2983
taxonomy, new species 2983
- Culicoides pseudodiabolicus*, man, Surinam 693
- Culicoides pulicaris group*
ecology, seasonal abundance 448
UK 448
- Culicoides punctatus*
morphology, seasonal variation 691
taxonomy, isoenzymes 2663
USSR 691
- Culicoides puncticollis*
morphology, seasonal variation 691
urban areas, Egypt 2025
USSR 691
- Culicoides pusillus*
ecology 79
livestock, Jamaica 79
- Culicoides ruishruensis*
Congo 692
taxonomy 692
- Culicoides saevus*
morphology, seasonal variation 691
USSR 691
- Culicoides schultzei*
Akabane virus 447
cattle, Japan 447
Orbivirus, Japan 2078
urban areas, Egypt 2025
- Culicoides segnis*
ecology, seasonal abundance 448
UK 448
- Culicoides stellifer*
ecology, seasonal abundance 1108
Florida 1108
horses, skin diseases 1108
- Culicoides travassosi*, man, Surinam 693
- Culicoides truilleti*
Congo 692
taxonomy, new species 692
- Culicoides variipennis*
Alabama 2662
behaviour, locomotion 1670
biology 446
development 1673
bluetongue virus
infection 1669, 2358
transmission 446
- California 1676, 2665
ecology
size, seasonal variation 2665
spatial distribution 1674
- entomophilic nematodes 1676, 2662
genetics, chromosomes, mitosis 695
- Culicoides variipennis* cont.
horses, Louisiana 1675
hosts, California 446
morphology, mouthparts 2986
Onchocerca cervicalis, transmission
1675
ponds, Virginia 1674
Virginia 1673
- Culicoides venustus*
ecology, seasonal abundance 1108
Florida 1108
horses, skin diseases 1108
- Culicoides wadai*
Australia 1107
bluetongue virus, transmission 1107
- Culiseta*
breeding places, Iran 2611
Iraq 2053
parasites, prevalence 2565
ponds, Alberta 2565
taxonomy, keys 2053
UK 2876
- Culiseta alaskaensis*
control, microbial pesticides 2566
ponds, Alberta 2566
- Culiseta annulata*, man, Italy 871
- Culiseta incdens*
ecology, seasonal abundance 661
water containers, California 661
- Culiseta inornata*
blood-meals, identification 2563
breeding places, Louisiana 2616
control, microbial pesticides 2566
ecology, seasonal abundance 661
hosts, Manitoba 2563
natural enemies 2616
ponds, Alberta 2566
Tolypocladium cylindrosporum, pathogenicity 2610
water containers, California 661
- Culiseta litorea*, man, Italy 871
- Culiseta longiareolata*
distribution, Israel 662
entomogenous fungi 622
genetics, chromosomes, heterochromatin 1358
USSR 622
- Culiseta melanura*
eastern equine encephalitis virus 1912
detection 2593
Maryland 2593
New Jersey 1912
- Culiseta morsitans*
behaviour
feeding behaviour 2962
haemophagy 1101
control, microbial pesticides 2566
morphology, mouthparts 2962
ponds, Alberta 2566
Sweden 1101
- Culiseta subochrea*, man, Italy 871
- Culture techniques**
- Anaplasma marginale* 1847
 - Bacillus sphaericus* 2264
 - mutants 422
 - Bacillus thuringiensis* 375, 911, 1515,
3273, 3275
 - mutants 421
 - Besnoitia besnoiti* 1842, 3164
 - Culicidae, cell lines 1360
 - entomopathogenic bacteria 43, 420
 - Entomophthora muscae* 1734
 - insects, cell lines 1553
 - Leishmania* 2765
 - Romanomermis culicivorax* 1612, 1929
 - Solenopsis invicta*, cell lines 1425
 - Spiroplasma* 1003
 - Trypanosoma* 2967
- Cuterebra**
- Alabama 110
 - dogs, myiasis 2381
 - hosts, North America 1048
 - man, myiasis 110, 946
 - Nearctic Region, books 1048
 - North Carolina 946
 - taxonomy, revision 1048

- Cuterebra americana group**, reviews 1048
Cuterebra buccata group, reviews 1048
Cuterebra cuniculi group, reviews 1048
Cuterebra fontinella group, reviews 1048
Cyaneolytta, biology, reviews 2169
Cyclodiene insecticides, mode of action 1067
1-(3-Cyclohexen-1-ylcarbonyl)piperidine, repellents, *Ornithodoros parkeri* 773
Cyclophyllidea, intermediate hosts, *Leptocephalus*, infection 2744
Cyclopodia sykesii, distribution, Bangladesh 122
Pteropus giganteus 122
Cyclopoida, prey, *Anopheles* 688
Cyclops, lindane, effects 861
pathogens 423
Cyclosporins, toxicity, *Culex pipiens* 1648
Cyfluthrin (cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate), against
Culex quinquefasciatus 418
Diptera 1757, 1760
Muscidae 2114
irritancy, *Blattella germanica* 594
toxicity, Culicidae 418
Cygon (see Dimethoate)
Cyhalothrin ([1 α ,3 α (Z)]-(\pm)-cyano(3-phenoxyphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate), against
Diptera 1757
Haematobia irritans 1398
Muscidae 2114
Cyklopren (see (E)-1-Methylethyl-2-(8-ethoxy-4,8-dimethyl-3-nonenyl)-2-methylcyclopropanecarboxylate)
Cynipoidea, venoms, biochemistry 1433
Cynomys, ectoparasites 1560
Cynomys gunnisoni, Siphonaptera, USA 2023
Cynomys ludovicianus, Siphonaptera, USA 2023
Cynopterus sphinx, *Leptocyclopodia ferrari*, Bangladesh 122
Cynoscion nebulosus, insecticides, toxicity 1947
Cypermethrin (cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate), against
Blattella germanica 1315, 2926
Culicidae 2632
Diptera 232, 1757, 1760, 2146
Haematobia irritans 281, 1398
Hydrotaea irritans 1157
Ixodes ricinus 320
Muscidae 2114
Sarcophagidae 345
detection, gas liquid chromatography 378
effects
Pipistrellus pipistrellus 3297
rats 2864
soils, microorganisms 1045
formulations 23
resistance, *Musca domestica* 485
susceptibility, *Boophilus microplus* 182
temperature, effects, *Musca domestica* 291
toxicity
Cimex lectularius 23
Drosophila melanogaster 500
with chlорpyrifos, against, *Haematobia irritans* 1398
with permethrin, against, Diptera 232
[1 α (S*),3 α]-(\pm)-, against, Culicidae 912
effects, fishes 1944
Cyperus iria, extracts, juvenile hormone III 3330
Cyphosaccus, biology, development 1502
techniques, age determination 1502
Cyprinodon variegatus, fenthion, effects 2852
insecticides, toxicity 1947
Cyprinodon variegatus cont.
Nerocila acuminata, Gulf of Mexico 2244
Cyprinus carpio, malathion, effects 1276-1277
Cyprus, *Phlebotomus papatasii* 1375
Cyrnea eurycerca, intermediate hosts, Acridiidae, infection 2406
Cyrnea mansoni, intermediate hosts, Acridiidae, infection 2406
Cyromazine (N-cyclopropyl-1,3,5-triazine-2,4,6-triamine), against
Alphitobius diaperinus 3112
Diptera 152
Fannia 147
Musca domestica 501, 747, 1424
application methods, poultry housing 501
effects, *Musca osiris* 482
mass spectrometry 381
resistance
Lucilia cuprina 296
Musca domestica 116
Cyrtolaelaps, *Sorex*, New York 3194
Cytauxzoon felis, vectors, *Dermacentor variabilis*, transmission 1796
Cythion (see Malathion)
Cytochemistry, *Triatoma infestans*, spermatozoa 1076
Czechoslovakia, cats, ectoparasites 2910
Diptera 1749
dogs, ectoparasites 2910
foxes, ectoparasites 2797
Hypoderma diana 2104
livestock housing, mites 544
Sarcopetes scabiei 538
Siphonaptera 29
small mammals, ectoparasites 350
tickborne encephalitis virus, epidemiology 1205, 1541
Dacus cucurbitae, man, myiasis 951
Pakistan 951
Dacus diversus, man, myiasis 951
Pakistan 951
Daira perlata, toxins, effects, nervous system 2825
Dairies, *Musca domestica*
California 287
New York 3062
Muscidae
California 1154
Nebraska 1181
Muscidifurax zaraptor, Nebraska 3103
Dairy farming, dung beetles, Australia 1439
Dairy farms, Diptera, California 2110
Musca domestica, Maryland 3041
Damalinia bovis (see *Bovicola bovis*)
Damalinia equi (see *Werneckiella equi*)
Damalinia ovis (see *Bovicola ovis*)
Damaliscus dorcus dorcus, Ixodidae, South Africa 999
Damaliscus dorcus phillipsi, *Hyalomma*, South Africa 1197
Daphnia magna, insecticides, effects 857
Daphnia pulex, temephos, effects 3302
Dapsone, treatment, *Loxosceles reclusa*, bites 831
Dasyhelea, phytotelmata, Indonesia 1054
Dasyhelea dufouri var. *gigantea*, taxonomy 2360
Dasyhelea leptocladius, taxonomy, females 2359
Dasyrhaphis, USSR 723
DDE (mixture of isomers in which *p,p'*-DDE predominates), effects, birds, egg shell formation 2860
DDT (mixture of isomers in which *p,p'*-DDT predominates), against
Anopheles 2030
Anopheles culicifacies 2543
Culicidae 2632
Glossina 1122, 1124, 1707
Ixodes persulcatus 759
Dasysyrphus, USSR cont.
against cont.
Ixodidae 1200
Phlebotomus 449
blood-meals, effects, *Culex pipiens* 245
dehydrochlorination, *Musca domestica*, enzymes 3018
effects
fowls 2487
laboratory animals 3311
man, immune system 2856
mice 2483
mitochondria 2862
mutagenesis, *Escherichia coli* 1959
nontarget effects, reviews 1124
residues
fishes 864
man, Zimbabwe 385
milk 1961
resistance
Aedes aegypti 71
Anopheles 2588
Anopheles culicifacies 2064
Anopheles pulcherrimus 36
Anopheles quadrimaculatus 412
Anopheles stephensi 900
Anopheles superpictus 624
Boophilus 330
Haematobia irritans 1403
Musca domestica 483, 730, 1733
susceptibility
Boophilus microplus 182
Culicidae 923
temperature, effects, *Musca domestica* 291
toxicity, *Culex* 681
DDVP (see Dichlorvos)
Deacetylazadirachtinol, structure 3331
Debantia (see Chlorfenvinphos)
Deet (see Diethyltoluamide)
Degeeriella nebulosa, birds, Belgium 586
Delnav (see Dioxathion)
Deltamethrin ([1 R -[1 α (S*),3 α]]-cyano(3-phenoxyphenyl)methyl 3-(2,2-dibromoethenyl)-2,2-dimethylcyclopropanecarboxylate), aerial spraying, deposition 1286
against
Anopheles albimanus 1633, 1638
Anopheles maculipennis complex 51
Anopheles sinensis 1622
Diptera 1757
ectoparasites 2005
Glossina 945, 1124, 1127, 2687, 3003
Glossina palpalis 102, 1126, 1129
Haematobia irritans 1398
Hydrotaea irritans 2115
Ixodes ricinus 1795
Muscidae 2114
Phlebotomus chinensis 1374
Sarcophagidae 345
deposition, monitoring, techniques 1046
detection, gas liquid chromatography 378
effects
Glossina morsitans 3000
Musca domestica 1392
Periplaneta americana 2928
Pipistrellus pipistrellus 3297
Plasmodium 1610
rabbits 3322
rats 2864
formulations 23, 51
irritancy, *Blattella germanica* 594
metabolites, synthesis 3290
nontarget effects, reviews 1124
resistance
Culex pipiens 2059-2060
Fannia canicularis 1751
Musca domestica 485, 1733
susceptibility, *Boophilus microplus* 182
synergism 590
toxicity
Aedes 1335
Cimex lectularius 23
Periplaneta americana 590
Deltafine, against, *Ixodes persulcatus* 759
Deltochilum gibbosum sublaeve, ecology 3087
fish, Mexico 3087

- Delusory parasitosis**, man, dwellings 1503
- Demeton-S-methyl** (*S*-[2-(ethylthio)ethyl]
O,O-dimethyl phosphorothioate)
effects, rats 3315
- Demodex**
cats, skin diseases 540, 1883
collection 1486
control, acaricides 2796
domestic animals, immunity 2432
Mustela nivalis, Europe 1486
pets 2796
skin diseases 2252
- Demodex bantengi**
banteng, Indonesia 2214
taxonomy, new species 2214
- Demodex bovis**
Bangladesh 192
cattle, skin diseases 192, 205, 2436
control, acaricides 192, 2436
German Democratic Republic 205
- Demodex brevis**
man, skin diseases 1854
New York 1854
- Demodex canis**
control, acaricides 341, 1884, 3212
dog faeces, detection 338
dogs
Argentina 1990
diagnosis 2795
Mexico 2437
skin diseases 341, 1853, 1884, 1928,
2199, 3212
- Demodex cati**
cats
reviews 2441
skin diseases 342, 2813
control, acaricides 2813
- Demodex equi**
control, acaricides 199
horses, skin diseases 199
- Demodex folliculorum**
control, acaricides 349
man, skin diseases 349, 844, 1854
New York 1854
- Demon** (see Cypermethrin)
- Dendroica coronata**, *Ixodes brunneus*, tick
paralysis 2194
- Dendrophilus xavieri**
poultry droppings 3034
prey, *Musca domestica* 3034
- Dengue**
epidemiology
Cuba 369-370
Singapore 365
South Africa 366
- Dengue haemorrhagic fever**, epidemiology,
Cuba 1913
- Dengue shock syndrome**, epidemiology,
Cuba 369-370
- Dengue virus**
Aedes albopictus, cell lines, infection
843
Asia, bibliographies 1535
host parasite relationships, molecular
biology 840
man
Argentina 558
Bangladesh 1640
Florida 557
South Africa 366, 2451
reviews 1509
vectors
Aedes, vector competence 2587,
2600
Aedes aegypti 74
infection 430
Aedes flavopictus, infection 1341
Aedes scutellaris group, vertical
transmission 2036
Culicidae
bibliographies 576
transmission 434, 1640
- Denmark**
aquatic insects 1546
Arge pullata 303
arthropod pests, reports 3354
Dermatophagoides 360, 3198
Dermatophagoides pteronyssinus 335,
545
Entomophthora 3272
house dust mites 2222
- Denmark cont.**
mosquito-borne diseases, epidemiology
2355
Simuliidae 2089
storage mites 1866, 2220
tickborne diseases, epidemiology 2426
Densovirus, host, *Simulium vittatum* 939
DEPA, against, Diptera 3012
- Dermacentor**
cattle, immune response 2173
cell lines, *Besnoitia besnoiti*, infection
3164
Cervus elaphus, Spain 513
diseases, reviews 185
Italy 185
- Dermacentor albipictus**
acaricides, toxicity 3148
genetics, enzymes 184
- Dermacentor andersoni**
Anaplasma marginale, transmission
2197
Babesia, German Federal Republic
2179
behaviour, mating behaviour 3157
biochemistry, embryology 1799
cattle, Saskatchewan 2197
ecology, host parasite relationships 312
guineapigs, immune response 170
Rickettsia rickettsii, transmission 2834
sex pheromones 1201, 3157
small mammals, Idaho 312
- Dermacentor antrorum**, morphology 172
- Dermacentor auratus**
biology, development 771
Sus scrofa 771
- Dermacentor marginatus**
Babesia, German Federal Republic
2179
biology, overwintering 764
Coxiella burnetii 1507
distribution, Switzerland 1450
ecology, population ecology 1450
Francisella tularensis 1196
German Federal Republic 167
morphology 172
mountains, USSR 764
parks, Italy 871
physiology, water relations 1836
rodents, USSR 1196
sheep, USSR 765
- Dermacentor montanus**, morphology 172
- Dermacentor nitens** (see *Anocentor nitens*)
- Dermacentor niveus**
Karski virus, infection 173
morphology 172
- Dermacentor nuttalli**
age determination 1453
China 1453
ecology, habitats 770
hosts, China 770
livestock, Mongolia 2176
morphology 172
Rickettsia sibirica
China 522
transmission 2176
- Dermacentor parumapertus**
cell lines, *Spiroplasma mirum*, propagation 1003
Mexico 1837
predators 1837
rodents, New Mexico 585
- Dermacentor pavlovskii**, morphology 172
- Dermacentor pictus**
distribution, Yugoslavia 1199
ecology, environmental factors 1199
- Dermacentor raskemensis**
morphology 172
sheep, USSR 765
- Dermacentor reticulatus**
Babesia, German Federal Republic
2179
cattle, Poland 780
ecology, seasonal abundance 779-780
German Federal Republic 167
guineapigs, skin diseases 2180
morphology 172
Omsk haemorrhagic fever virus, transmission 1047
Poland 779
- Dermacentor silvarum**
ecology
habitats 770
seasonal abundance 2181
hosts, China 2181
livestock, China 770
morphology 172
- Dermacentor steini**
pigs, South East Asia 1805
taxonomy, redescription 1805
- Dermacentor taiwanensis**
hosts, Taiwan 789
Sus scrofa, Taiwan 776
taxonomy 776
- Dermacentor variabilis**
Anaplasma marginale, overwintering
2178
behaviour, mating behaviour 3157
Borrelia burgdorferi
prevalence 2788
transmission 524
cell lines
Anaplasma marginale, infection
1847
ecdysteroids, fat body 1829
Spiroplasma, propagation 1003
Connecticut 2788
Cytauxzoon felis, transmission 1796
ecology, dispersal 1832
Felidae, Oklahoma 1796
Jamestown Canyon virus, transmission
1629
Maryland 3143
Peromyscus leucopus
Connecticut 524
Maryland 2425
physiology, endocrine system 1829
rabbits, immunity 171
Rickettsia rickettsii, transmission 1840
sampling 3143
sex pheromones 1201, 3157
small mammals, Tennessee 1832
ultrastructure, nervous system 2191
urban areas, New York 1840
- Dermanyssus gallinae**
aviary birds, reviews 1303
birds, Belgium 586
control, acaricides 2204
domestic animals, poultry diseases 812
fowls
Australia 2204
Cuba 1248
kairomones 3200
man, skin diseases 2227
pigeons, Massachusetts 2227
- Dermanyssus hirundinis**
birds' nests, USSR 800
control, acaricides 800
man, skin diseases 800
- Dermatobia hominis**
Brazil 268
buffaloes, Costa Rica 2385
cattle, myiasis 268, 2106, 2384
man, myiasis 2699
Mexico 2704
myiasis 2704
rearing techniques 2106
Saudi Arabia 2699
- Dermatophagoides**
allergens, detection 1862
control
acaricides 1865
environmental management 1489,
1862
dwellings
Japan 1489
USSR 797
house dust, German Federal Republic
1862
man
allergies 1489
diagnosis 1923
female genital diseases 2228
skin diseases 1016
- Dermatophagoides deanei**
house dust, Brazil 209-210
taxonomy, new species 209
- Dermatophagoides farinae**
allergens 351
antigen antibody reactions 2807
characterization 359, 1251, 2218

- Dermatophagoides farinae cont.**
- allergens *cont.*
 - dwellings
 - Maryland 1249
 - Virginia 3190
 - ELISA 360, 2802
 - guineapigs, effects 1247
 - mice 547
 - monoclonal immunoassays 337
 - radioimmunoassay 2805
 - sampling 1245
 - beds, Denmark 3198
 - biology, reviews 1487
 - control 1013
 - environmental management 1485
 - heat 3198
 - Denmark 1866
 - disinfectants, toxicity 1009
 - dwellings
 - control 1009
 - Georgia 3185
 - German Federal Republic 2811
 - Netherlands 1013, 1485
 - ecology, seasonal abundance 3190
 - house dust
 - Brazil 210
 - Denmark 360
 - German Federal Republic 1865
 - Virginia 2805
 - Kuwait 1021
 - man
 - allergies 334, 353, 356, 722, 802, 811, 1021, 1253, 1487, 1511, 1865-1866, 2811, 3185, 3197
 - diagnosis 1863
 - reviews 2219
 - skin diseases 1015
 - rats, immune response 357
 - sampling 2225
- Dermatophagoides microceras**
- allergens
 - antigen antibody reactions 2807
 - characterization 1251
 - dwellings, Maryland 1249
 - ELISA 360
 - beds, Denmark 3198
 - control, heat 3198
 - house dust, Denmark 360
- Dermatophagoides pteronyssinus**
- allergens 799, 1474
 - antigen antibody reactions 2807
 - bacteriosorbent test 804
 - characterization 1251, 1476, 1860, 1867, 1869, 2803
 - cross reactivity 2445
 - dwellings
 - Maryland 1249
 - Virginia 3190
 - ELISA 360
 - gene sequences 546
 - guineapigs, effects 1247
 - house dust, Japan 1488
 - man
 - effects 1475
 - immune response 1019-1020
 - mice 547
 - monoclonal immunoassays 337
 - nomenclature 845
 - radioimmunoassay 2805
 - release, kinetics 1870
 - sampling 2804
 - standards 1252, 2217
 - antigens 1877
 - assays 1488
 - beds, Denmark 3198
 - biology
 - development 1010
 - environmental factors 1014
 - reviews 1487
 - control 1013, 1864
 - environmental management 1485, 1881
 - fungicides 1882
 - heat 3198
 - Denmark 1866
 - dwellings
 - Denmark 2222
 - Georgia 3185
 - German Federal Republic 2811
 - Netherlands 1013, 1485
 - UK 2444
 - ecology, seasonal abundance 3190
 - histamine release 335
 - house dust 1882
 - Brazil 210
 - Denmark 360
 - German Federal Republic 1864-1865
 - Netherlands 1881
 - Virginia 2805
 - immunotherapy 801
 - Japan 803
 - Kuwait 1021
 - man
 - allergies 334-336, 348, 353-354, 356, 545, 801, 803, 807, 1021, 1250, 1253, 1474, 1481, 1487, 1859, 1864-1866, 1868, 2221-2222, 2811, 3175, 3185, 3187, 3196
 - diagnosis 1863, 1927
 - reviews 2219
 - skin diseases 3184
 - physiology, nutrition 2800
 - Dermestes*, carrion, Hawaii 1548
 - Dermestes maculatus*
 - cadavers, Hawaii 1412
 - carrion, South Africa 1299
 - Dermoergasilus*
 - Africa 1901
 - taxonomy, keys 1901
 - Destruxins*
 - toxicity
 - Diptera 497
 - insects 1031
 - Musca domestica* 496
 - Detergents, toxicity, *Dermatophagoides farinae* 1009**
 - Deuteromycotina, hosts, *Blattella germanica*, infection 1572**
 - Dexopollenia, taxonomy, keys 1540**
 - Dexopollenia nigra**
 - Papua New Guinea 1540
 - taxonomy, new species 1540
 - Dexopollenia papua**
 - Papua New Guinea 1540
 - taxonomy, new species 1540
 - Diagnostic techniques, *Trypanosoma cruzi* 2942**
 - Diapause**
 - Amblyomma triguttatum*, photoperiod 788
 - Calliphora vicina*, induction 950
 - Calliphoridae, induction 2712
 - Culex*, reviews 1361
 - Culex pipiens* 1100, 1370
 - Culicoides* 694
 - Haematobia irritans* 1155
 - Musca autumnalis* 1732
 - Pyraustoma lucifera* 3109
 - Diaptomus leptopus**, temephos, effects 3302
 - Diarsenic trioxide, against, Ixodidae 1200**
 - Diatoms, Simuliidae, resource partitioning 98**
 - Diazinon (*O,O*-diethyl *O*-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate)**
 - against
 - Ctenocephalides felis* 2943
 - Diptera 2743
 - Haematobia irritans* 1398, 3040
 - Ixodes dammini* 2776
 - Sarcophiformes 345
 - Vespa pensylvanica* 2764
 - effects
 - Boophilus annulatus* 768
 - Brachydanio rerio* 1281
 - rats 2292
 - irritancy, *Blattella germanica* 594
 - poisoning, man 3300
 - residues, dwellings 3321
 - resistance
 - Blattella germanica* 593, 1315
 - Lucilia cuprina* 296, 504
 - Musca domestica* 961, 1733
 - toxicity
 - Amblyomma maculatum* 3148
 - Stomoxys calcitrans* 3075
 - Dibrachys cavus**
 - cattle manure, New York 1782
 - Dibrachys cavus cont.**
 - hosts, Muscidae 1782
 - Dibrom (see Naled)**
 - Didubyt phthalate, repellents, *Ornithodoros parkeri* 773**
 - Dichlofenthion (*O*-(2,4-dichlorophenyl)-*O,O*-diethyl phosphorothioate)**
 - against, *Chrysomya bezziana* 1728
 - susceptibility, *Boophilus microplus* 182
 - para-Dichlorobenzene, with lindane, against, *Hydrolea irritans* 2115**
 - N-[[3,5-Dichloro-4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]amino]carbonyl]-2,6-difluorobenzamide, against, *Alphitobius diaperinus* 3112**
 - Dichlorophen, against, ectoparasites 2005**
 - 3-[7-(2,6-dichlorophenoxy)-3-methyl-4-heptenyl]-2,2-dimethoxyxirane, effects, *Hyalomma dromedarii* 774**
 - N-[[3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]carbonyl]-2,6-difluorobenzamide, against, *Alphitobius diaperinus* 3112**
 - Dichlorvos (2,2-dichloroethyl dimethyl phosphate)**
 - against
 - Amblyomma americanum* 795
 - Aponomma latum* 2791
 - Cephalopina titillator* 1722
 - Cochliomyia hominivorax* 286
 - Diptera 2742-2743
 - ectoparasites 2005
 - Ornithomyssus bacoti* 352
 - Simuliidae 2685
 - effects, Salmonidae 1902
 - irritancy, *Blattella germanica* 594
 - mutagenesis, *Escherichia coli* 1959
 - mutagenicity, *Drosophila melanogaster* 3054
 - residues, foods 1271
 - resistance
 - Culex pipiens* 2059-2060
 - Culex tritaeniorhynchus* 2647
 - Fannia canicularis* 1751
 - Musca domestica* 484, 730-731, 1733
 - toxicity
 - Musca domestica*, parasitoids 3062
 - Peromyscus leucopus* 1966
 - salmon 553
 - with other insecticides, against, *Muscidae* 135
 - with propoxur, against, *Dermatophagoides pteronyssinus* 1864
 - Dicofol (4-chloro- α -(4-chlorophenyl)- α -(trichloromethyl)benzenemethanol)**
 - effects, *Penaeus indicus* 1956
 - Dicrotophos ((E)-3-(dimethylamino)-1-methyl-3-oxo-1-propenyl dimethyl phosphate)**
 - metabolism, cattle 2477
 - Didelphis marsupialis**
 - Lutzomyia*, Brazil 96
 - Triatoma dimidiata*, blood-meals 1595
 - Didelphis virginiana**
 - Borrelia burgdorferi*, Wisconsin 525
 - Jamestown Canyon virus, USA 1629
 - Didymocentrus lesueuri, physiology, circadian rhythms 1490**
 - Dieldrin ((1 α ,2 β ,2 α ,3 β ,6 β ,6 α ,7 β ,7 α)-3,4,5,6,9,9-hexachloro-1 α ,2 α ,3,6,6 α ,7,7 α -octahydro-2,7,3,6-dimethanonaphth(2,3- β)oxirene)**
 - against, *Glossina* 1122, 1124, 1707
 - analogues
 - modes of action 1529
 - toxicity, Diptera 1529
 - effects, mice 2483
 - mode of action 1067
 - nontarget effects, reviews 1124
 - resistance
 - Anopheles* 2588
 - Culex pipiens* 2059
 - Ixodidae 515, 1212
 - Lucilia cuprina* 296
 - Musca domestica* 1733
 - Rhipicephalus sanguineus* 534
 - susceptibility
 - Culicidae 923

- susceptibility *cont.*
Glossina pallidipes 1121
toxicity, *Culex* 681
uptake, Cyanobacteria 2867
Diethyl maleate, synergism 2060
Diethyl [[methoxy(methylthio)phosphinyl]thio]butanedioate, detection 216
Diethylcarbamazine, man, *Onchocerca volvulus*, transmission 2994
N,N-Diethylcyclohexaneacetamide, repellents, Blattaria 1059
N,N-Diethylcyclohexanopropanamide, repellents, Blattaria 1059
N,N-Diethyl-2-phenylacetamide, effects, laboratory animals 572
Diethyltoluamide (*N,N*-diethyl-3-methylbenzamide)
metabolism, rats 571
repellents
Culicidae 2609, 2628
Ixodes dammini 1798
Simulium pictipes 1693
toxicity, man 2873-2874
toxicology, reviews 1285
with permethrin, repellents, *Culicidae* 2628
Diflubenzuron (*N*-[(4-chlorophenyl)amino]carbonyl)-2,6-difluorobenzene)
aerial application, deposition 2275
against, *Musca domestica* 501, 1389, 1424
application methods, poultry housing 501
effects
Aedes albopictus 62
aquatic insects 3316
Culex pipiens 2357
Diptera 2577
insects 1561
cell lines 2916
Uca pugillator 866
mode of action 1969
toxicity, *Aedes* 1335
with dimatif, against, Diptera 716
2,6-Difluoro-N-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide, against, *Alphitobius diaperinus* 3112
Dihydroactinidiolide, synthesis 3329
3,4-Dihydroxyprecocene, effects, *Blattella germanica* 1577
Diisopropyl fluorophosphate
antagonists 2716
toxicity, *Musca domestica* 2716
Dilox, against, *Ixodes persulcatus* 759
Dimatif, with diflubenzuron, against, Diptera 716
Dimethoate (*O,O*-dimethyl *S*-[2-(methylamino)-2-oxoethyl]phosphorodithioate)
against, Diptera 487
effects
Penaeus monodon 862
rabbits 3322
formulations, chemical stability 379
mutagenicity, *Drosophila melanogaster* 953
poisoning, man 3307
resistance
Fannia canicularis 1751
Ixodidae 515, 1212, 2185
Musca domestica 489, 1733
Rhipicephalus sanguineus 534
toxicity, *Musca domestica*, parasitoids 3062
uptake, Cyanobacteria 2867
Dimethyl 3-methyl-4-nitrophenyl phosphate, resistance, *Culex tritaeniorhynchus* 2647
Dimethyl phthalate
against, Diptera 3012
repellents, *Ornithodoros parkeri* 773
2,2-Dimethyl-3-(2-chloro-2-arylviny)-cyclopropane carboxylic acids, synthesis 1940
5-[*(6,10-dimethyl-4,9-undecadienyl)oxy*]-1,3-benzodioxole, effects, *Hyalomma dromedarii* 774
- Dimilin** (*see* Diflubenzuron)
Dimazene, effects, *Trypanosoma brucei*, *Glossina morsitans* 2093
Dimpylate (*see* Diazinon)
Dinobuton (1-methylethyl 2-(1-methylpropyl)-4,6-dinitrophenyl carbonate) against, *Ixodes persulcatus* 759
Dioxacarb (2-(1,3-dioxolan-2-yl)phenyl methylcarbamate)
resistance, *Blattella germanica* 395
Dioxafos (*see* Trichlorfon)
Dioxathion (*S,S'*-1,4-dioxane-2,3-diyl bis(*O,O*-diethyl phosphorodithioate)) against
Ixodidae 1210
Rhipicephalus appendiculatus 3172
resistance
Ixodidae 515, 1212
Rhipicephalus sanguineus 534
toxicity, *Amblyomma maculatum* 3148
with chlорfenvinphos, against, *Ixodidae* 309
Dipetalogaster maxima
blood-meals, oviposition 19
Trypanosoma cruzi, transmission 1594
Trypanosoma rangeli, infection 884
Dipetalonema viteae, vectors, *Ornithodoros moubata*, infection 1839
Diplonychus indicus
biology, reproduction 1082
prey, *Culicidae* 1082
Diplonychus nepoides
behaviour, predation 1336
prey, *Culicidae* 1336
Diplopoda
Australia 1257
man, secretions 1257
Diploptera punctata, ultrastructure, corpora allata 2925
Diploriaena sokolovi, intermediate hosts, *Acrididae*, infection 2406
Dipluridae, behaviour, predation 1889
Dipodomys ordii, ectoparasites, New Mexico 585
Dipping
against
ectoparasites 2273
Ixodidae 309, 1200, 1209-1210, 1214
Psoroptes ovis 2201, 2792
Rhipicephalus 1195
Rhipicephalus appendiculatus 179, 1190
goats, *Chorioptes bovis* 2806
sheep
equipment 2277
Psoroptes ovis 2431
Dipropyl 2,5-pyridinedicarboxylate, repellents, *Ornithodoros parkeri* 773
Diptera
Acholeplasma 847
aviary birds, reviews 1303
cafeterias, Texas 148
cattle
Cameroon 2146
Netherlands 1729
reviews 1304
Chlamydia trachomatis, transmission 1264
control, insecticides 1729, 2146, 2742
ecology, community ecology 1549
evolution, haemotophagy 616
horses, skin diseases 2332
livestock, reviews 1306
man
hypersensitivity
books 2490
treatment 2462
myiasis 407
marshes, UK 2946
Moraxella bovis, transmission 2146
parasites, host parasite relationships 3247
pig housing, German Federal Republic 1761
pigs, reviews 1307
predators 2414
red deer, myiasis 1989
- Diptera** *cont.*
vectors, arboviruses 213
Dipterex (*see* Trichlorfon)
Dipus sagitta
Amphisysylla longispina, China 610
Androlaelaps fahrenholzi, China 1479
Dipylidium caninum, vectors, *Ctenocephalides felis*, infection 2328
Dirofilaria
Asia, bibliographies 1535
vectors, Culicidae, bibliographies 576
Dirofilaria immitis
dogs 2659
vectors
Aedes, infection 1608
Aedes aegypti, infection 242, 408, 2341
Disinfectants, toxicity, *Dermatophagooides farinae* 1009
Dispersal pheromones, *Blattella germanica* 1573, 2921
Disulfoton (*O,O*-diethyl *S*-[2-(ethylthio)ethyl] phosphorodithioate)
effects
Anabas testudineus 2295
Daphnia magna 857
Djibouti, *Anopheles arabiensis* 2973
DNA probes
Anopheles gambiae complex 255, 429, 901
Brugia, *Culicidae* 2657
Onchocerca volvulus, *Simulium* 2684
parasites 2498
Phlebotomus 1375
Plasmoidium, *Anopheles* 2658
Trypanosoma
Glossina 2695
Reduviidae 2529
vectors 2498
DNOC (2-methyl-4,6-dinitrophenol)
formulations, excipients, analysis 2848
4-Dodecanolide, synthesis 1766
4-(Dodecanoyloxymethyl)-1-(2-methyl-1-oxo-1-phenyl-2-propyl)-1,2,4-triazolium chloride, effects, *Neobellieria bullata* 144
Dodecylbenzenesulphonates, pesticides, analysis, liquid chromatography 2848
Dog faeces
Demodex canis, detection 338
Muscoidae, Brazil 2394
Dogs (*Canis familiaris*)
Amblyomma americanum, Oklahoma 795
Amblyomma cajennense, Brazil 315
amitraz, effects 2478
Argasidae, Zimbabwe 3155
Babesia, German Federal Republic 2179
Borrelia burgdorferi 2836
France 3169, 3242
North Carolina 3244
Wisconsin 1812
Calliphora vomitoria, myiasis 720
Cheyletiella yasguri, skin diseases 2438
Cochliomyia hominivorax, myiasis 285
Ctenocephalides 1604
hypersensitivity 230
diagnosis 2331
Ctenocephalides felis 2329
immune response 2330
skin diseases 1603
Cuterebra, myiasis 2381
Demodex, skin diseases 1928
Demodex canis
diagnosis 2795
Mexico 2437
skin diseases 341, 1853, 1884, 3212
Dermacentor silvarum, China 2181
Diptera, myiasis 1421, 2704
Dirofilaria immitis 2659
Echidnophaga gallinacea, Irish Republic 2945
ectoparasites 27, 2796
Argentina 1990
control 223
Czechoslovakia 2910
India 2
reviews 2312
skin diseases 2199, 2252
Ehrlichia canis, USA 1002

- Glossina, Congo** 1716
Ixodes holocyclus, paralysis 318-319
Ixodes pseudoratus, Zimbabwe 3156
Ixodidae
 anaemia, treatment 2787
 China 770
 India 998
Linguatula serrata
 Tanzania 838
 Turkey 2240
Lutzomyia 95
 Brazil 93
Lutzomyia whitmani, Brazil 89
Otodectes cynotis, ear diseases 2435
parasites
 Morocco 2309
 preventive medicine 3254
Phlebotomus
 Egypt 1684
 India 932
Phlebotomus perniciosus, Italy 450
 propoxur, effects 2296
Rhipicephalus sanguineus
 India 2192
 Sudan 534, 993
Sarcopotes scabiei, skin diseases 197
 Siphonaptera, Alabama 26
Triatoma dimidiata, blood-meals 1595
Triatoma infestans, Argentina 1589,
 1591
Dolichoderus, prey, Ixodidae 3152
Dolichovespula
 man
 hypersensitivity
 immunotherapy 2153-2154
 skin tests 3100
 Ohio 3130
Dolichovespula arenaria, venoms, immunology, cross reactions 1774
Dolichovespula maculata
 biochemistry, sterols 3132
 man
 allergies 1176
 hypersensitivity 1772-1773
 venoms
 allergens 1176
 characterization 1427, 1771-1772
 immunology, cross reactions 1773-
 1774
Domestic animals
 Ixodidae, USSR 1810
 parasites, books 1973-1974
 tickborne diseases, reviews 1001
Domina
Aedes aegypti 1655
Sarcopotes scabiei 1879
 Scorpiones 1897
Dominican Republic
 filariasis, epidemiology 414
Microtityus dominicanensis 1894
Ornithodoros puertoricensis 1817
Donkeys (Equus asinus)
Anopheles, Egypt 1627
Gasterophilus
 Burkina Faso 2105
 myiasis 947
 Ixodidae, China 770
Psoroptes, skin diseases 1850
Doratopsylla blairiae, *Parascalops breweri*, USA 3193
Doratopsylla dasycnema
 ecology, community ecology 29
Sorex alpinus, Czechoslovakia 29
Dowco-439 (see 2-Chloro-N-[[4-(2,2-dichloro-1,1-difluoroethoxy)phenyl]amino]carbonyl]benzamide)
Dracunculus medinensis
 epidemiology
 Nigeria 3235
 Uganda 3236
 intermediate hosts
 Copepoda, Burkina Faso 3237
 Cyclopidae, Burkina Faso 1910
Thermocyclops nigerianus, transmission 3234
 man, Nigeria 3234
Dragging, *Dermacentor variabilis* 3143
Drains, *Culex quinquefasciatus*, India 916
Dromedaries (Camelus dromedarius)
 ivermectin, effects 2439
- Ixodidae**, Saudi Arabia 2186-2187
Sarcopetes, skin diseases 340
Sarcopetes scabiei, skin diseases 2439,
 3214
Drosophila
 biochemistry, enzymes 3056
 cell lines
 chitin, synthesis 2894
Retrovirus, replication 741
 mutagens, mutagenicity 3051-3053
 tissue culture, physiology, vitellogenesis 1293
 ultraviolet radiation, mutagenicity, assays 3057
Drosophila melanogaster
Bacillus thuringiensis, toxins, toxicity 1646
 biochemistry
 cuticle 2303
 muscles 579
 cell lines
Bacillus thuringiensis, toxins, specificity 1524
 cell culture 1553
 ecdysteroids, receptors 1748
 ecdysterone, effects 1416, 3073
 human immunodeficiency virus, infection 433
Retroviridae 1416
 vesicular stomatitis virus, infection 563, 1030
 genetics
 chromosome maps 2898-2900
 fitness, estimates 1544
 gene expression, ecdysteroids 2718
 insecticide resistance, resistance mechanisms 2849
 insecticides, mutagenicity 3054
 man, allergies 1742
 mutagens, mutagenicity 3049-3050,
 3055
 organophosphorus insecticides, mutagenicity 953
 predators 1889
 pyrethroid insecticides, toxicity 500
 sigma virus, France 1414
Spiroplasma, transovarial transmission 2548
 zinc, mutagenicity 3025
Drosophila repleta
 control, integrated control 487
 livestock, German Democratic Republic 487
Drosophilidae, Iraq 272
Drymaplaneta variegata
 entomophilic nematodes 1311
 New Zealand 1311
Ducks
 endrin, effects 3314
 lindane, effects 3312
Dung beetles
 cattle dung
 Australia 1531-1532
 dung management 2719
 Nebraska 1173
 ivermectin, effects 1531-1532
Dursban (see *Chlorpyrifos*)
Dusting, against, *Blattaria* 1569
- Dwellings** cont.
Culex pipiens
 China 54
 USSR 626
Culex quinquefasciatus
 India 418
 Texas 918
Culicidae, India 675, 912
Curculionidae, USA 3131
Dermatophagoides
 allergens, Maryland 1249
 Denmark 360
 German Federal Republic 1862,
 1865
 USSR 797
 Virginia 3190
Dermatophagoides farinae, control 1009
Dermatophagoides pteronyssinus, German Federal Republic 1864
 house dust mites
 Denmark 2222
 Georgia 3185
 Japan 1489
 Netherlands 1013, 1485
 UK 2444
Lutzomyia, Brazil 89, 93
 man, delusory parasitosis 1503
Ommatoiulus moreletii
 Australia 839
 South Australia 3230
Periplaneta, South Carolina 1316
 pesticide residues, Florida 3321
Phlebotomus
 Egypt 1683-1684
 India 449
Phlebotomus argentipes, India 933
Pholcus phalangioides, Oceania 837
Sepsis violacea, UK 959
Supella longipalpa, Belgium 595
Triatoma infestans, Argentina 1589,
 1591
 Triatominae, Venezuela 2530
Dytiscidae
 parasitoids 3086
 prey, *Anopheles* 688
Ear diseases
Otodectes cynotis, dogs 2435
Raillietia caprae, goats 346
Ear tags
 cattle
Boophilus microplus 3145
 Diptera 1729, 1757, 2146
Glossina 2687
Haematobia irritans 121, 133-134,
 281, 1153, 1398, 3031, 3040,
 3043
 Muscidae 146, 1726, 2114
 non-target effects 1173
Rhipicephalus appendiculatus 179,
 3172
Stomoxys calcitrans 129
 red deer, *Hydrotaea irritans* 1157
 sheep, *Hydrotaea irritans* 2115
Ear tapes, cattle, Muscidae 117
East Coast fever (see also *Theileria parva*)
Eastern equine encephalitis virus
 fowls, New Jersey 1912
 vectors, *Culiseta melanura*, detection 2593
Ecdysone, metabolism, *Hyalomma dromedarii* 1807
Ecdysteroids
 analytical methods, liquid chromatography 2906
 ingestion, *Ornithodoros moubata*, detoxification 3136
 liquid chromatography 1988
 receptors, *Drosophila melanogaster*, cell lines 1748
Ecdysterone
 effects
Aedes aegypti 1080
Amblyomma americanum 1459
Drosophila melanogaster, cell lines 1416, 3073
Hyalomma dromedarii 1808
 neurosecretion 3153
 insects, cell lines 2916
 metabolism, *Hyalomma dromedarii* 1807

- Echidnophaga gallinacea**
dogs, Irish Republic 2945
game birds, South Africa 1308
rodents, Egypt 608
Sciuridae, USA 2023
- Echinomyssus hilli** (*see* *Hirstionyssus hilli*)
- Echmepteryx**, *Sciurus carolinensis*, nests, Florida 3092
- Echmepteryx hageni**, *Sciurus carolinensis*, nests, Florida 3092
- Ecology**
Acari, coasts 1484
Aedes, population ecology 2549
Aedes triseriatus, population regulation 892
Aedes vigilax, breeding places 428
Amblyomma americanum
overwintering 2785
population ecology 1831
Anopheles
breeding places 673
population ecology 686, 688
Anopheles farauti, survival 1615
Anopheles sergentii, life tables 2570
Apodius, reviews 157
aquatic insects, urbanization 1983
arthropods
microhabitats, gases 868
parks 871
Boophilus microplus, spatial distribution 988
Calliphoridae, coexistence 1408
Carcinops pumilio, population ecology 1785
Carnus hemapterus, seasonal abundance 1399
carrión
arthropods
community ecology 1299-1300
succession 1548, 1550
Chironomidae, mortality 1162
Cochliomyia hominivorax, environmental factors 477
Coelopa frigida, nutrition 1160
Coquillettidia perturbans, breeding places 2558
Culex, seasonal abundance 2591
Culex annulirostris, population ecology 689
Culex pipiens, algae, trophic relations 635
Culicidae
breeding places 617
Copepoda, interactions 2616
drought, survival 2049
seasonal abundance 675, 1088
size 2624
Culicinae, breeding places 662
Culicoides, seasonal abundance 448, 1108, 2661
Culicoides variipennis
size, seasonal variation 2665
spatial distribution 1674
Culiseta incidunt, seasonal abundance 661
Dermacentor andersoni, host parasite relationships 312
Dermacentor reticulatus, seasonal abundance 779-780
Diptera
community ecology 1549
seasonal abundance 1749
synanthropy 1390
dung beetles, Spain 2412
ectoparasites, community ecology 350
Glossina, population ecology, models 2100
Haemaphysalis spinigera 1821
Haematobia, survival 2719
Haematobia irritans, population ecology 732, 1404
haematophagous arthropods, seasonal abundance 1629
haematophagous insects, population ecology 392
Hyalomma, seasonal abundance 1197
insectivorous fishes, predation 2660
insects, dispersal 1545
Ischnura elegans, models, population dynamics 584
Ixodes dammini, host preferences 525

- Ecology cont.**
- Ixodidae*
books 1289
dispersal 1832
population ecology 1450
seasonal abundance 999
models
behavioural ecology 1982
books 3349
climate, distribution 1230
mountains, streams, aquatic organisms 1055
Musca autumnalis
phenology 1732
population ecology 749
Musca domestica, predator-prey relationships 3034
Musca vetustissima, population ecology 742, 744
Neomyia cornicina, cattle dung 721
Ommatoiulus moreletii, population ecology 839
Ornithomyssus sylviarum, population ecology 3189
overwintering, books 1537
parasitic castration, models 1295
parasitoids
host-parasite relationships, models 1984
population ecology 2411
Paruroctonus mesaensis 3216
Periplaneta americana, population ecology 2927
pests, natural enemies, population ecology 3281
Phlebotomus ariasi, survival 452
phytotelmata
food chains 390
food webs 1054
Pogonomyrmex, energy relations 2761
poultry droppings, arthropods, spatial distribution 2902
Psorophora columbiae
breeding places 2568
population ecology 2595
Rhipicephalus evertsi, environmental factors 1469
rodents, ectoparasites, host specificity 585
Simulium cataractarum, feeding behaviour 1111
Simulium noelleri 1697
Spalangia, seasonal abundance 2755
temperature, acclimation 1547
Toxorhynchites, phytotelmata 891
tree holes, Culicidae, productivity 2955
Trichomycetes, species diversity 3258
- Economics**
control
cost benefit analysis, *Ixodidae* 1192
Glossina 2301
losses
cattle
Amblyomma americanum 166
Boophilus microplus 3146
Diptera 1757
ectoparasites 1557
Haematobia irritans 121, 281, 1153
Hypoderma 2698, 3005
Ixodidae 1239-1244
Muscidae 1726
Psoroptes ovis 2799
Rhipicephalus appendiculatus 3172
Tabanidae 283, 3042
trypanosomiasis 2301
forestry, workers, *Culicoides* 2361
fowls, *Menacanthus stramineus* 882
livestock
Cochliomyia hominivorax 2185
Diptera 487
Ixodidae 2185
pigs
Sarcoptes scabiei 321
Stomoxys calcitrans 1152
sheep
Bovicola ovis 403
Lucilia sericata 2702
- Ectiban** (*see* *Permethrin*)
- Ectobiidae**, checklists, Iran 1323
- Ectoparasites**
cattle, USA 1305
control
dipping 2273
pesticides 1305, 1937
fowls, Egypt 872
laboratory animals, equipment 1302
livestock, Africa 2273
rodents, host specificity 585
wild animals, South Africa 870
- Ectopsocusis cryptomeriae**, *Sciurus carolinensis*, nests, Florida 3092
- Ectrin** (*see* *Fenvalerate*)
- Ecuador**
Centruroides 2233
Onchocerca volvulus, epidemiology 2676
Plocosylla nungui 2535
- Education**, entomology, tropics 3337
- Egypt**
Anopheles 1627
Argas persicus 1022
Culex antennatus 655
Culex pipiens 2055
Culicidae 254
ectoparasites 872
fishes, pesticide residues 864
Gasterophilus 947
haematophagous insects 2025
Hyalomma 1008
Ixodidae 1005-1006
Linguatula serrata 2245
Oestrus ovis 269
Phlebotomus 1683-1685
Phlebotomus langeroni 703
Phlebotomus papatasi 2084
Psoroptes ovis 1888
rodents, ectoparasites 608
sandfly fever (Naples) virus 562
Scorpiones 550
Siphonaptera 2024
Stigmæus sinai 2081
- Ehrlichia**
mucocutaneous lymph node syndrome 1506
vectors
ectoparasites 554
Ixodoidea 314
- Ehrlichia canis**, vectors, *Ixodoidea*, transmission 1002
- Eichhornia crassipes**, *Mansonia*, substrates 678
- Eisenia rosea**, *Pollenia*, Holarctic Region 1394
- Ekalux** (*see* *Quinalphos*)
- Electrostatic sprayers**, evaluation 2632
- Electrostatic spraying**, against, Culicidae 2632
- Elephantidae**, Akabane virus, Africa 1027
- Elephants**, Diptera, myiasis 1421
- Elephantulus brachyrhynchus*, *Ixodes elongatus*, Zimbabwe 3156
- Elephantulus myurus*, *Rhipicephalus*, South Africa 1813
- Elephas maximus*, *Calyptera*, Thailand 1426
- Elgiva connexa*, distribution, North America 1151
- Elgiva divisa*
biology 1151
distribution, North America 1151
- Elgiva elegans*
taxonomy, new species 1151
USA 1151
- Elgiva pacnowae*
taxonomy, new species 1151
USA 1151
- Elgiva sollicita*, distribution, North America 1151
- Embelia ribes*, extracts, *Musca domestica* 963
- Embryogenesis**, insects, reviews 1543
- Embryology**
Aedes aegypti, ecdisis 2596
Calliphora vicina, nervous system 2125, 2401
- Culicidae, gynandromorphs 1349
- Eyndhovenia euryalis*, development 2224

- Embryology cont.**
- insects
 - books 2875
 - nervous system, reviews 2302
 - Endemic typhus** (*see also Rickettsia typhi*)
 - Endosulfan** (6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide)
 - against, *Glossina* 1122, 1124
 - analogues
 - modes of action 1529
 - toxicity, Diptera 1529
 - effects
 - Cyanobacteria 1533
 - Lepidocephalichthys thermalis* 3309
 - man, immune system 2856
 - Paramecium aurelia* 1952
 - Pila globosa* 3313
 - rodents 2291
 - nontarget effects, reviews 1124
 - susceptibility, *Glossina pallidipes* 1121
 - Endrin** ((1α,2β,2αβ,3α,6α,6αβ,7β,7α)-3,4,5,6,9,9-hexachloro-1a,2a,3a,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth[2,3-b]oxirene)
 - analogues
 - modes of action 1529
 - toxicity, Diptera 1529
 - effects
 - aquatic organisms 1953
 - Daphnia magna* 857
 - ducks 3314
 - nontarget effects 1284
 - toxicity
 - Boophilus microplus* 995
 - Pimephales promelas* 3305
 - Enterobacter aerogenes**
 - oviposition attractants, *Culex pipiens* 44
 - vectors, Diptera, transmission 1161
 - Enterobacter agglomerans**
 - oviposition attractants, *Culex pipiens* 44
 - vectors, Diptera, transmission 1161
 - Enterobacter cloacae**
 - Aedes aegypti*, oviposition attractants 2642
 - Glossina morsitans*, immune response 2688
 - vectors, Diptera, transmission 1161
 - Entomogenous fungi**
 - against
 - Culicidae 393
 - insect pests 3276, 3282
 - hosts, Araneae 3228
 - Entomology**
 - tropics
 - conferences 3353
 - education 3337
 - Entomopathogenic bacteria**, against, insect pests 3282
 - Entomopathogenic protozoa**
 - against
 - Culicidae 393
 - insect pests 3282
 - insects 3284
 - Entomophthora**, hosts, insects 3272
 - Entomophthora aquatica**, hosts, Diptera 622
 - Entomophthora muscae**
 - culture techniques 1734
 - hosts
 - Diptera, pathogenicity 962
 - insects 3272
 - Musca domestica* 1734
 - Environmental management**
 - Blattella germanica* 1315
 - Culicidae 1096
 - Dermatophagoides* 3198
 - Euroglyphus maynei* 2444
 - house dust mites 1881
 - storage mites 1482
 - Triatominae* 2530
 - vectors, reviews 1049
 - Ephemeroptera**
 - taxonomy, keys, larvae 2877
 - UK, books 2877
 - Epeorus caudella**, man, allergies 1511
 - Epicauda**
 - horses, poisoning 1174
 - Texas 1174
 - Epidemic relapsing fever** (*see also Borrelia recurrentis*)
 - Epidemiology**
 - African swine fever virus, Malawi 3168
 - AIDS
 - Africa 433
 - Congo 1712
 - Florida 557
 - Akabane virus
 - Africa 1027
 - New South Wales 1372
 - Alagoas virus, Colombia 2370
 - Anaplasma centrale*, transmission 2422
 - Anaplasma marginale*, overwintering 2178
 - animal diseases, models 2834
 - arboviruses
 - Australia, reviews 1508
 - India 1026
 - USSR 2452
 - Babesia microti*, Switzerland 1793
 - bluetongue virus, Israel 2835
 - Borrelia*, Sweden 1461
 - Borrelia burgdorferi*
 - Connecticut 524
 - France 3169
 - North Carolina 3244
 - reviews 2830
 - Switzerland 1916
 - USA 1467
 - USSR 761
 - Wisconsin 523, 525, 1812
 - Borrelia recurrentis*, Ethiopia 1587
 - Chlamydia trachomatis*, Malawi 1264
 - Congo Virus, Africa 1197
 - Coxiella burnetii*, reviews 1507
 - Demodex*, New York 1854
 - Demodex bovis*, German Democratic Republic 205
 - dengue
 - Argentina 558
 - Cuba 369-370
 - Singapore 365
 - South Africa 366
 - dengue virus, reviews 1509
 - eastern equine encephalitis, sentinel hosts 1912
 - Ehrlichia canis*, USA 1002
 - filarids, Nigeria 3240
 - hepatitis B virus, South Africa 2348
 - Jamestown Canyon virus
 - Indiana 2033
 - USA 1629
 - Japanese encephalitis virus, Japan 1504
 - La Crosse virus, West Virginia 2074
 - Leishmania*
 - America 1376
 - Egypt 1685
 - Leishmania donovani*, India 2675
 - Leishmania major*, French Guiana 2369
 - Leishmania mexicana*, Guatemala 1690
 - Leucocytozoon smithi*, New York 707
 - malaria, Iraq 1609
 - Mansonella ozzardi*, Argentina 2655
 - Middleburg virus, South Africa 2038
 - Moniezia benedeni*, German Federal Republic 2450
 - mosquito-borne diseases, models 1659
 - mucocutaneous lymph node syndrome, reviews 1506
 - Murray Valley encephalitis virus, mathematical models 441
 - Omsk haemorrhagic fever, USSR 1047
 - Onchocerca cervicalis*, Louisiana 1675
 - Onchocerca volvulus*
 - America 2676
 - Liberia 2677
 - Sudan 2683
 - Phlebovirus*, Italy 1110
 - plague, Thailand 28
 - Plasmodium*
 - models 2949
 - Thailand 2574
 - transmission 686
 - Vanuatu 2335
 - Epidemiology cont.**
 - Plasmodium falciparum*, Malaysia 2963
 - Retrovirus*, reviews 364
 - Rickettsia conorii*, France 1820
 - Rift Valley fever, Botswana 368
 - Rift Valley fever virus
 - Kenya 2032
 - Mauritania 3241
 - Zambia 3246
 - Rocky Mountain spotted fever, New York 1840, 1917
 - St. Louis encephalitis**
 - Colorado 560, 2951
 - Texas 918
 - salmonellosis, dwellings 2832
 - sandfly fever (Naples) virus, Yugoslavia 1109
 - Theileria parva*, Zimbabwe 1238
 - tickborne diseases
 - books 1289
 - India 1456
 - models 772, 1234, 3160
 - monitoring 1233
 - tickborne encephalitis virus
 - Czechoslovakia 1205
 - Europe 1541
 - trachoma, Tanzania 1755
 - transmission rates, mathematical models 363
 - Trypanosoma*
 - Congo 1716
 - Somalia 2379
 - Zaire 3002
 - Trypanosoma cruzi*
 - Argentina 1589, 1591
 - transmission 2521
 - tularaemia, USSR 1196
 - vectors, host parasite relationships 2948
 - Wuchereria bancrofti*
 - Haiti 1611
 - Western Samoa 2028, 2342
 - yellow fever virus, Nigeria 926
 - Yersinia enterocolitica*, vectors 1028
 - Epidermoptes bilobatus**
 - fowl, skin diseases 541
 - Italy 541
 - Epinephelus malabaricus**, parasites, Malaysia 1908
 - Epizootic haemorrhagic disease of deer virus**, livestock, Colorado 3245
 - Eptesicus serotinus**, *Nanacarus minutus*, German Federal Republic 809
 - Equipment**
 - actographs, Culicidae 233
 - application, adhesives, traps 1
 - applicators, insecticides 135
 - cages, restraint of animals 391
 - electrocuting traps, evaluation 148
 - electrodes 2497
 - emergence traps, *Culicoides* 256
 - laboratory animals, restraints 1302
 - light meters, entomology 1552
 - light traps, aquatic insects 2501
 - membrane feeders
 - haematophagous arthropods 2908
 - Simulium damnosum* complex 97
 - oviposition traps, Culicidae 2583
 - pest control equipment, evaluation 70
 - recording instruments, microclimate 1056
 - samplers, Culicidae, larvae 2607
 - sprayers, distance recorders 2842
 - vehicles, corrosion protection 2843
 - Equus africanus*, Diptera, myiasis 270
 - Equus asinus* (*see Donkeys*)
 - Equus burchellii*, *Hyalomma*, South Africa 1197
 - Equus caballus* (*see Horses*)
 - Equus caballus* × *E. asinus* (*see Mules*)
 - Eqvalan* (*see Ivermectin*)
 - Eretmapodites*, entomogenous fungi, pathogenicity 2043
 - Ergasilus*
 - Ergasilus boreoeensis*, *Epinephelus malabaricus*, Malaysia 1908
 - Ergasilus labracis*, *Salvelinus fontinalis*, New Brunswick 3238

- Ergasilus lizae**, *Carpoides cyprinus*, Mani-
toba 1909
- Ergasilus mirabilis**
fishes, host parasite relationships 2242
ultrastructure, attachment structures
2242
- Erinaceus europaeus**, *Archaeopsylla
erinacei*, German Federal Republic
889
- Eristalis arbustorum**, *Entomophthora
muscae*, pathogenicity 962
- Eristalis tenax**
cattle, myiasis 493
Entomophthora muscae, pathogenicity
962
India 493
man, myiasis 951
Pakistan 951
physiology, vision 1738
- Escherichia coli**
effects, *Glossina morsitans* 2095
Glossina morsitans, immune response
2688
oviposition attractants, *Culex pipiens*
44
- Estrozol** (see Dichlorvos)
- Estuaries**, Culicidae, Florida 2852
- Etacide** (see Fenthion)
- Etaphos**
against
Diptera 2743
Ixodes persulcatus 759
Musca domestica 282
nontarget effects 282
- Ethanol**, toxicity, *Musca domestica* 1758
- Etheostoma flabellare**, *Lernaea catostomi*,
Arkansas 2241
- Ethion** (*S,S'*-methylene bis(*O,O*-diethyl
phosphorodithioate))
against, *Boophilus microplus* 531
resistance, *Boophilus microplus* 183
susceptibility, *Boophilus microplus* 182
- Ethiopia**
Anopheles 1050
Borrelia recurrentis, epidemiology 1587
Sergentomyia ashfordi 2083
trachoma, epidemiology 967
- Ethohexadiol**, repellents, *Ornithodoros
parkeri* 773
- Ethoxylated alkylphenols**, pesticides, analy-
sis, liquid chromatography 2848
- Ethoxyprecocene II**, sensitivity, *Rhodnius
prolixus* 2016
- Ethyl acetate**, toxicity, *Musca domestica*
1758
- Ethyl hexanediol** (see Ethohexadiol)
- 2-(2-Ethylhexyl)-3a,4,7a-tetrahydro-4,7-
methano-1*H*-isoindole-1,3(2*H*)-dione**,
synergism 11
- (E)-5-[[5-(3-Ethyl-3-methoxyxaryl)-3-
methyl-2-pentenyl]oxy]-1,3-benzodioxo-
ole, effects, *Blattella germanica* 1065
- (E)-3-[5-(4-Ethylphenoxy)-3-methyl-3-
pentenyl]-2,2-dimethyloxirane
effects
Cimex lectularius 2021
Blattella germanica 1065
- Etretinate**, predisposition, *Sarcopetes
scabiei* 1017
- Euchaeta elongata**, *Merluccius productus*,
Pacific Ocean 1501
- Euchaeta norvegica**
behaviour, feeding behaviour 1501
cod, Atlantic Ocean 1501
- Eucoila**
hosts, *Musca autumnalis* 948
Nebraska 948
- Eulinognathus**, *Ctenomys barbarus*,
Argentina 883
- Eulinognathus americanus**
Ctenomys, Paraguay 883
taxonomic, redescription 883
- Eulinognathus boliviensis**, *Ctenomys
opimus*, Bolivia 883
- Eulinognathus patagonicus**
Ctenomys, Argentina 883
taxonomic, new species 883
- Eulinognathus torquatus**
Ctenomys, Argentina 883
taxonomic, redescription 883
- Eulinognathus wernecki**
Ctenomys, Argentina 883
taxonomy, new species 883
- Eumenidae**
Australia, catalogues 2882
behaviour, predation 1432
- Eumusca**, taxonomy 276
- Euoniticellus africanus** (see *Oniticellus
africanus*)
- Euoniticellus fulvus** (see *Oniticellus
fulvus*)
- Euoniticellus intermedius** (see *Oniticellus
intermedius*)
- Euphemosia**, taxonomy, keys 1540
- Eupolyphaga sinensis**, dwellings, China
1309
- Euroglyphus maynei**
control 1013
cleaning 2444
environmental management 1485
dwellings
Netherlands 1013, 1485
UK 2444
ecology, seasonal abundance 2444
house dust, Brazil 210
man, allergies 356
- Europe**
Aphodius 157
arthropods, war 1920
Borrelia burgdorferi, epidemiology 841
Diptera, cattle 1757
Hydrotaea irritans 125
Ixodes ricinus 782
Odonata, books 1977
Pollenia 1394
Pollenia rufis group 1394
Q fever, epidemiology 1507
Simulium 456, 2088
tickborne encephalitis virus, epidemiol-
ogy 1541
- European eels**, lindane, toxicity 1957
- Erycotis floridana**, parasitoids 1314
- Euschoengastia**
North America 1875
taxonomy, keys 1875
- Euschoengastia jamesoni**, *Sorex*, New
York 3194
- Euschoengastia rotundata**
Clethrionomys glareolus, injuries 3174
morphology, mouthparts 3174
- Euschoengastia setosa**, *Microtus chrotor-
rhinus*, New York 3194
- Euscorpius flavicaudis**, physiology, cir-
adian rhythms 1490
- Eusimilium**, streams, Japan 2090
- Eusimilium aureum** (see *Similium
aureum*)
- Eutamias sibiricus** (see *Tamias sibiricus*)
- Eutrombicula alfreddugesi**, mice, immune
response 2442
- Eutrombicula cinnabarinis** (see *E.
alfreddugesi*)
- Evania appendigaster**
biology, development 1992
hosts, *Periplaneta americana* 1992
- Evolution**
Aedes, reproductive isolation 640
Aedes scutellaris complex 2631
DNA sequences 685
arthropods, phylogeny 3347
Calyptra, haemaphagy 1426
Cuterebra, host parasite relationships
1048
Diptera, haemaphagy 616
host parasite relationships 2008
Musca domestica
digestion 289
speciation 3061
parasitoids, thelytoky 2411
pathogens, virulence 363
- Siphonaptera**
host parasite relationships 614
mites, host parasite relationships
2023
- Solenopsis**, social forms 299
Trombiculidae, host parasite relation-
ships 206
- Exhyalanthrax**
hosts, *Glossina* 101
Kenya 101
- Exhyalanthrax alliopterus**
hosts, *Glossina* 101
Kenya 101
- Exhyalanthrax transiens**
hosts, *Glossina* 101
Kenya 101
- Eye diseases**
Brachyelma smithi, man 2239
man, books 1978
Musca autumnalis, cattle 3039
Noctuidae, man 2165
Paederus, man 1784
Pediculus, man 2009
Pthirus pubis, man 1072
- Eyndhovenia euryalis**
embryology, development 2224
Rhinolophus rouxi, China 2224
- Faeces**
detection, parasites 338
Diptera, Malaysia 954
Scatophaga tropicalis, Peru 114
Telomerina beringiensis, North
America 2731
- Falco peregrinus**, *Carnus hemapterus*,
German Federal Republic 1399
- Falco tinunculus**, *Carnus hemapterus*,
German Federal Republic 1399
- Falculifer rostratus**, pigeons, Belgium 586
- Fallout**, residues, *Aedes communis* 2584
- Famphur** (*O*-[4-[(dimethylamino)sulfo-
nyl]phenyl] *O,O*-dimethyl
phosphorothioate)
against, *Hypoderma* 1146
with levamisole, against, *Hypoderma*
1146
- Fannia**
cattle
Europe 1757
France 712
control, insecticides 712, 1757
rural areas, Brazil 2394
- Fannia canicularis**
behaviour, mating behaviour 1418
biology
development 277
environmental factors 2713
cattle dung, Bulgaria 1390
control
biological control 472
growth regulators 147
insecticides 2743
integrated control 487
entomophilic nematodes, infectivity 480
furbearing animals, USSR 2743
insecticides, resistance 1751
livestock, German Democratic Republic
487
parasitoids 1400
poultry droppings 277
California 147, 472
poultry housing, California 1751
rearing techniques 1400
refuse tips, Brazil 2705
taxonomy, larvae 2705
- Fannia femoralis**
biology
development 277
environmental factors 2713
control
biological control 472
growth regulators 147
entomophilic nematodes, infectivity 480
poultry droppings 277
California 147, 472
- Fannia scalaris**
refuse tips, Brazil 2705
taxonomy, larvae 2705
- Fanniidae**, cattle dung, Bulgaria 1390
- Fanthamia cardinis**
South Africa 2079
taxonomy, redescription 2079
- Farming**, occupational hazards, North Car-
olina 3299
- Faroe Islands**, *Ixodes uriae* 1204, 1801
- Farrelloides jamesoni** (see *Euschoengastia
jamesoni*)
- Feedlots**, Muscidae, Nebraska 498
- Felis catus** (see Cats)
- Felis rufus**, *Dermacentor variabilis*,
Oklahoma 1796

- Felilstrophorus radovskyi**
cats, Brazil 2443
pets, skin diseases 2252
- Female genital diseases, Dermatophagoides**, man 2228
- Fencholic acid**, repellents, *Blattaria* 1059
- Fenfluthrin** ((*R*-trans)-(pentafluorophenyl)methyl 3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate) irritancy, *Blattella germanica* 594
- Fenitrothion** (*O,O*-dimethyl *O*-(3-methyl-4-nitrophenyl) phosphorothioate) against
- Anopheles sundaicus* 667
 - ectoparasites 2005
 - Ixodidae 1200
 - Phthiraptera 2006
 - analytical methods 3293
 - effects
 - Acroneuria lycorias* 860
 - Channa punctatus* 388
 - Daphnia magna* 857 - formulations
 - controlled release 2048
 - deposition 1043 - man, poisoning 859
 - mutagenicity, *Drosophila melanogaster* 953
 - resistance
 - Culex pipiens* 2059-2060
 - Musca domestica* 484, 961 - susceptibility
 - Anopheles pulcherrimus* 36
 - Anopheles superpictus* 624
 - Culicidae 923 - toxicity
 - aquatic insects 2995
 - Culex pipiens* 2048
 - Sarracenia purpurea*, fauna 2981
- Fenitroxon** (see Dimethyl 3-methyl-4-nitrophenyl phosphate)
- Fenobucar** (2-(1-methylpropyl)phenyl methylcarbamate) analysis 2280
- Fenoxy carb** (ethyl [2-(4-phenoxyphenoxy)ethyl]carbamate) against
- Culex quinquefasciatus* 670
 - Culicidae 417
 - Psorophora columbiae* 2620
 - Solenopsis invicta* 2763
 - Vespa pensylvanica* 2764
- effects
- aquatic organisms 2853
 - Blattella germanica* 2919
 - Ctenocephalides felis* 1606
 - Periplaneta americana* 1062
 - Rhodnius prolixus* 1074
- formulations, evaluation 417
- Fenthion** (*O,O*-dimethyl *O*-[3-methyl-4-(methylthio)phenyl] phosphorothioate) against
- Aedes aegypti* 41, 1103
 - Anopheles sundaicus* 667
 - Cephalopterus titillator* 1722
 - Culex quinquefasciatus* 914
 - Culicidae 1344, 2852
 - Diptera 2743
 - analytical methods 3293
 - effects
 - aquatic organisms 2852
 - Colinus virginianus* 2869
 - Laccotrephes griseus* 1958
 - rats 3315 - formulations 914
 - man, poisoning 1948, 2289
 - resistance
 - Aedes aegypti* 1655
 - Culex pipiens* 2059
 - Culex tarsalis* 2550
 - Haematobia irritans* 134 - toxicity, aquatic organisms 1947
- Fentin hydroxide** (hydroxytriphenylstanane) effects, *Romanomermis culicivorax* 1661
- Fenvaleter** (cyano(3-phenoxyphenyl)methyl 4-chloro- α -(1-methylethyl)benzenecacetate)
- Fencholic acid, repellents, Blattaria** cont.
- against
- Boophilus microplus* 3145
 - Chortiptera bovis* 2806
 - Diptera 712, 1757
 - ectoparasites 200
 - Haematobia irritans* 121, 281, 1173, 1398, 3040, 3043
 - Muscidae 135, 1726, 2114
 - Sarcophagidae 345
- blood-meals, effects, *Culex pipiens* 245
- detection, gas liquid chromatography 378
- effects
- aquatic organisms 1963
 - Periplaneta americana* 1576
 - soils, microorganisms 1045
- nontarget effects 1173
- piperonyl butoxide, synergism 3027
- resistance
- Anopheles stephensi* 69
 - Blattella germanica* 2917
 - Culex pipiens* 2059
 - Haematobia irritans* 133-134, 140, 1403
- toxicity
- Drosophila melanogaster* 500
 - Musca domestica* 2740, 3027
 - parasitoids 3062
 - Pimephales promelas* 3305
- Ferrets** (*Mustela furo*) ectoparasites 1559
- Sarcopeltis scabiei*, skin diseases 1472
- Fertilizers**
- effects
- dung beetles 1439
 - Romanomermis culicivorax* 1661
- Ficalbia minima** entomopathogenic protozoa 2576
- Filariasis**, control, books 1976
- Filitriidae**, behaviour, predation 1889
- Finches**, ectoparasites, reviews 1303
- Finland**
- Culex pipiens* 1370
 - dairy farmers, allergies 348, 358
 - mosquito-borne diseases, epidemiology 2355
 - Muscoidea 123
 - Phormia terraenovae* 1171
 - Simulium noelleri* 1697
 - Simulium rostratum* 99
 - storage mites 347
 - tickborne diseases, epidemiology 2426
- Fishes**
- diseases, books 3340
 - Ergasilus mirabilis*, host parasite relationships 2242
 - insecticides, effects 1953
 - parasites, Atlantic Ocean 1905-1906
 - pesticides, effects 1960
- Flea collars**, dogs, *Amblyomma americanum* 795
- Flea combs**, dogs, Siphonaptera 26
- Flucythrinate** (cyano(3-phenoxyphenyl)methyl (S)-4-(difluoromethoxy)- α -(1-methylethyl)benzenecacetate) against
- Diptera 1729, 1757
 - Haematobia irritans* 1153, 1398
 - Muscidae 2114
 - Rhipicephalus appendiculatus* 179
- resistance, *Haematobia irritans* 134
- Flumethrin** (cyano(4-fluoro-3-phenoxyphenyl)methyl 3-[1-chloro-2-(4-chlorophenyl)ethenyl]-2,2-dimethylcyclopropanecarboxylate) against
- Boophilus annulatus* 3147
 - Boophilus microplus* 2771
 - Dermanyssus gallinae* 2204
 - Hyalomma truncatum* 1835
 - Ixodes ricinus* 1795
 - Ixodidae 309, 2767
 - Phthiraptera 2318
 - Psoroptes ovis* 2431
- susceptibility, *Boophilus microplus* 182
- Fluoranthene**, phototoxicity, Culicidae 2567
- Fluorescein**, against, *Pthirus pubis* 1072
- Fluoromevalonolactone**, inhibitors, juvenile hormone III, biosynthesis 2315
- 2-[4-(3-fluorophenoxy)phenoxyethyl ethyl carbamate**, effects, *Ctenocephalides felis* 1606
- 2-[4-(4-fluorophenoxy)phenoxyethyl ethyl carbamate**, effects, *Ctenocephalides felis* 1606
- Fluvalinate** (*N*-[2-chloro-4-(trifluoromethyl)phenyl]-DL-valine cyano(3-phenoxyphenyl)methyl ester) against, *Rhipicephalus appendiculatus* 179
- Fogging**
- against
- Culicidae 2852
 - Culicoides furens* 2664
- Foods**, *Salmonella*, contamination 2832
- Forcipomyia**, Surinam 693
- Forelius foetidus**
- behaviour, aggression 1778
 - Texas 1778
- Forensic entomology**
- arthropods, succession 1300
 - Hawaii 1412
 - India 278
 - Iridomyrmex humilis*, blood group antigens 1443
 - Phormia terraenovae* 1171
 - techniques 149
- Forests**
- carbaryl, deposition 1280
 - Cochliomyia hominivorax*, Mexico 3032
 - Culicidae, Queensland 2609
 - Culicoides*
 - Surinam 693
 - UK 2361 - Glossina*, Ivory Coast 2097
 - Lutzomyia*, Brazil 89
 - Lutzomyia umbratilis*, French Guiana 80
 - Mansonia*, Malaysia 899
 - Phlebotominae, Bolivia 90
 - Tabanidae, French Guiana 142, 2117
 - Toxorhynchites theobaldi*, Trinidad and Tobago 2581
- Forficula**, prey, *Boophilus microplus* 2775
- Formaldehyde**, disinfection, dung beetles 3122
- Formamidine acaricides**, resistance, *Boophilus* 330
- Formamidines**, inhibitors, insecticide degradation 113
- Formanilides**, inhibitors, insecticide degradation 113
- Formica**, prey, *Hybomitra montana* 736
- Formica exsectoides**, biochemistry, sterols 3132
- Formicidae**
- Australia, catalogues 2882
 - behaviour, communication, semiochemicals 2161
 - carrion
 - Hawaii 1548, 1550
 - South Africa 1299 - cattle dung, Australia 3068
 - Denmark 3354
 - distribution, Alaska 3120
 - man
 - hypersensitivity 1438, 2407, 2459
 - stings 549, 1790 - morphology, venom apparatus 1430
 - sampling 3068
 - venoms
 - biochemistry 1437
 - characterization 1427
 - reviews 2408
- Formulations**
- controlled release, insecticides, *Culex pipiens* 2048
 - insecticides 2741
- Fort Morgan virus**, taxonomy 1505
- Fowls** [*Gallus domesticus*]
- Argas persicus*
 - Egypt 1022
 - Nigeria 2175
 - Argas walkerae*, Zimbabwe 3155
 - Cimex lectularius* 2326

- Culex bitaeniorhynchus* 913
Culex pipiens, Israel 1100
Culicidae, Argentina 1650
 DDT, effects 2487
Dermanyssus gallinae
 Australia 2204
 kairomones 3200
 eastern equine encephalitis virus, New Jersey 1912
 ectoparasites
 Cuba 1248
 Egypt 872
 India 2
Epidermoptes bilobatus, skin diseases 541
 insecticides, effects 2007
Kiricephalus pattoni 2447
Knemidokoptes mutans, skin diseases 2433
Lutzomyia 95
 Brazil 96
 Mallophaga, skin diseases 401, 2007
Megninia 3207
Menacanthus stramineus, liveweight gains 882
 methamidophos, effects 384
 monocrotophos, effects 3323
Ornithonyssus sylvarium
 immune response 333, 3189
 skin diseases 2808
 paraoxon, inhibition 2863
Speleognathus galli, India 195
 thiourea, effects 3023
Triatomata dimidiata, blood-meals 1595
- Foxes**
 ectoparasites, skin diseases 2797
Sarcophagidae, skin diseases 2793
- France**
Armillifer 2824
Borrelia burgdorferi, epidemiology 1819, 3169, 3242
 cattle
 Diptera 712
 ectoparasites 2005, 2205
Culex pipiens 684, 1356, 2648
Culicidae, *Spiroplasma* 665
Culicoides 694
Dermatophagoïdes pteronyssinus 3187, 3196
Hypoderma 2109
Linguatula denticulata 2246
Linguatula serrata 3233
 Lyme disease, epidemiology 310
Phlebotomus ariasi 84, 452-453
Psoroptes ovis 2201
Rickettsia conorii, epidemiology 556, 1820
 Tabanidae 2135
Thaumetopoea processionea 304
 tickborne diseases 1001
- Francisella tularensis**
 vectors
Culicidae, transmission 1101
Ixodidae, USSR 1196
Ixodoidea, reviews 1001
- Fratercula arctica**, *Ixodes uriae*, Europe 1801
- French Guiana**
Hylesia urticans 1779
Leishmania major, epidemiology 2369
Lutzomyia 260
Lutzomyia umbratilis 80
 Tabanidae 142, 2117, 2121
- French Polynesia**
Aedes polynesiensis 2555
Culicidae 2545
Simulium 1377
Simulium cataractarum 1111
Fulica americana, *Pseudomenopon pilosum*, Canada 2932
Fundulus similis, *Nerocila acuminata*, Gulf of Mexico 2244
Fungal insecticides, against, insect pests 3276
 Fungi, *Musca domestica*, interactions 725
 6-(2-Furanyl)-1,3,5-triazine-2,4-diamine, toxicity, *Anopheles stephensi* 68
Furbearing animals, Diptera, USSR 2743
Furytriazine (see 6-(2-Furanyl)-1,3,5-triazine-2,4-diamine)
- Fusarium*, metabolites, toxicity, *Aedes aegypti* 2263
Gabon, *Glossina frezili* 103
Gallus, *Megninia* 3207
Gallus domesticus (see Fowls)
Gamacid (see Lindane)
Gamasellodes vermivorax, prey, entomophilic nematodes 3270
Gamasoidea
 small mammals, USSR 587
 tickborne encephalitis virus 176
Gambia, *Anopheles* 1668
Gambusia affinis
 against
Culex tarsalis 2645
Culicidae 1367, 2622, 2649
 behaviour, feeding behaviour 636
 biology, environmental factors 2052
 California 1041
 ecology, population ecology 1367
 insecticides, effects 1953
 Iraq 1631
Lagenidium giganteum, effects 3260
 prey, *Culicidae* 1664
 rice fields, California 1367, 2645
 selenium, residues 1041
Gambusia affinis affinis
 biology, reproduction 2960
 Indiana 2960
Gambusia affinis holbrooki
 prey, *Culicidae* 2660
 salt marshes, Queensland 2660
Game birds, ectoparasites, South Africa 1308
Gamma-benzene hexachloride (see Lindane)
Gamma-BHC (see Lindane)
Gamma-HCH (see Lindane)
Gamma radiation
 sterilization
Anopheles 1359
Culex quinquefasciatus 1651
Glossina 1140
Lucilia cuprina 150
 with malathion, effects, *Culex pipiens* 1354
Garrulax chinensis, *Leptotrombidium andrei*, Thailand 1855
Gasterophilidae, wild animals, South Africa 870
Gasterophilus
 control, insecticides 1719
 donkeys, myiasis 947
 Egypt 947
 horses, myiasis 1719
Gasterophilus flavipes (see *G. haemorrhoidalis*)
Gasterophilus haemorrhoidalis
 donkeys, Burkina Faso 2105
Equus africanus, myiasis 270
 horses, myiasis 1388
 Italy 1388
 morphology, larvae 1386
 USSR 270
Gasterophilus inermis
 horses, myiasis 466, 1388
 Italy 466, 1388
 morphology, larvae 1386
Gasterophilus intestinalis
 behaviour, oviposition 2383
 control, insecticides 471
 donkeys, Burkina Faso 2105
 ecology, seasonal abundance 2697
 horses
 Hungary 2383
 Kentucky 1718, 2696
 myiasis 109, 471, 1388
 Texas 2697
 Hungary 471
 India 109
 Italy 1388
 morphology, larvae 1386
Strongid-Plus, effects 107
 trichlorfon, gas chromatography 2386
Gasterophilus meridionalis, morphology, larvae 1386
Gasterophilus nasalis
 donkeys, Burkina Faso 2105
 ecology, seasonal abundance 2697
Equus africanus, myiasis 270
- Gasterophilus nasalis** cont.
 horses
 Kentucky 1718, 2696
 myiasis 1388
 Texas 2697
 Italy 1388
 morphology, larvae 1386
 USSR 270
Gasterophilus nigricornis
Equus africanus, myiasis 270
 USSR 270
Gasterophilus pecorum
 donkeys, Burkina Faso 2105
Equus africanus, myiasis 270
 horses, myiasis 466, 1388
 Italy 466, 1388
 morphology, larvae 1386
 USSR 270
Gasterophilus ternicinctus, donkeys, Burkina Faso 2105
Geckobiella texana, *Schellackia*, transmission 1355
Genetic control
Aedes aegypti 2651
Anopheles 1607
Culex quinquefasciatus 1651
Culicidae 2076
 insects, techniques 1544
Lucilia cuprina 969
Genetics
Acheta domesticus, RNA sequences 2152
Aedes, chromosomes, DNA 927
Aedes aegypti
 chromosome maps 2950
 chromosomes, meiosis 2652
 enzymes, genes, linkage 2551
 meiotic drive 2651
 resistance mechanisms 71
Aedes albopictus
 chromosomes 898
 DNA, methylation 2646
 genes
 enzymes 2554
 nucleotide sequences 2352
Aedes scutellaris complex
 DNA sequences 685
 hybridization 2559
 population genetics 2631
Aedes stimulans group, isoenzymes 1619
Aedes triseriatus, heterozygosity, inbred lines 1094
Anocentor nitens, chromosomes 2184
Anopheles
 sex chromosomes, markers 2602
 sterility 1359
Anopheles albimanus, enzymes 73
Anopheles annulipes complex, chromosomes 48
Anopheles arabiensis, enzymes, genetic variation 2042
Anopheles culicifacies, enzymes 1357
Anopheles culicifacies complex, hybridization 2961
Anopheles dirus, cytogenetics 928
Anopheles gambiae
 chromosomes 631
 DNA introduction 251
 enzymes 1630
Plasmodium, refractoriness 2336
Anopheles maculatus, genetic divergence 2556
Anopheles maculipennis complex, hybridization 239
Anopheles quadrimaculatus
 chromosome maps 2564
 chromosome polymorphism 2952
 genetic sexing strains 412
Anopheles sinensis, chromosomes 639
Anopheles stephensi
 chromosomes 632
 enzymes, genetic variation 2958
 genetic sexing 633, 1095
 mutations 1090
Armigeres subalbatus, inheritance 2626
Austrosimulium australense, cytogenetics 263
Boettcherisca peregrina
 genes, lectins, nucleotide sequences 3047

- Genetics cont.**
- Boettcherisca peregrina* cont.
 - proteins, DNA sequences 971
 - Boophilus microplus*, acaricide resistance 1458
 - Bradyia coprophila*, chromosome segregation 491
 - Calliphora vicina*
 - gene sequences 293, 295
 - genes, vitellogenesis 3044
 - Calliphoridae*, genes, DNA sequences 1169
 - Chironomus*, chromosomes, heterochromatin 3015
 - Chironomus riparius*
 - chromosomes, sex determination 1415
 - DNA sequences, heat shock 1170
 - genes
 - haemoglobin 1423
 - nucleotide sequences 3019
 - nucleotide sequences 3048
 - globins 2402
 - genomes, repetitive DNA 3017
 - Cochliomyia hominivorax*
 - chromosomes 503
 - mutants 502
 - Culex pipiens*
 - autogeny 1100
 - cytogenetics 1660
 - genes, genetic markers 2061
 - heterosis 921
 - insecticide resistance 684, 1356
 - population genetics 2648
 - Culex quinquefasciatus*
 - chromosome maps 1639
 - mutants 72, 904
 - Culex tarsalis*, insecticide resistance 2601
 - Culicidae*
 - cell lines, reviews 1360
 - DNA sequences 2051
 - Culicoides variipennis*, chromosomes, mitosis 695
 - Culiceta longiareolata*, chromosomes, heterochromatin 1358
 - Dermacentor albipictus*, enzymes 184
 - Drosophila melanogaster*
 - chromosome maps 2898-2900
 - gene expression, ecdysteroids 2718
 - Glossina*
 - DNA 943
 - nucleotide sequences 2103
 - mutants 1141
 - Glossina morsitans*
 - cytogenetics 710
 - genome analysis 2686
 - Glossina palpalis*, mutants 1384
 - Haematobia irritans*, insecticide resistance 120
 - Hydrotaea irritans*, chromosomes 292
 - insects, fitness, estimates 1544
 - Lucilia cuprina*
 - chromosomes 492
 - segregation 969
 - insecticide resistance 504
 - sex determination 1406
 - Lutzomyia*, population genetics 1682
 - Musca domestica*
 - fecundity 494
 - population size, genetic variation, bottlenecks 3059-3061
 - Muscidifurax raporellus*, inheritance 1783
 - Nasonia vitripennis*, B chromosomes 1182
 - Neobellieria bullata*, DNA 2707
 - parasitoids, population genetics 2411
 - Periplaneta americana*, oothecae, genes, DNA sequences 1061
 - Piophila casei*, enzymes 1401
 - sigma virus, population genetics 1414
 - Simulium*
 - DNA probes 1699
 - population genetics 1113
 - Simulium subrense*, cytogenetics 1114
 - Solenopsis*, biochemical genetics 299
 - Tabanus dolini*, chromosomes 128
 - Triatominae*, chromosomes, meiosis 605
 - Geneta tigrina*, *Ixodes*, Zimbabwe 3156
 - Gentiana triflora*, *Hybomitra montana*, Japan 736
 - Genuchinus muzo*, nests, Panama 3088
 - Geographical distribution**
 - Aedes sergivae*, USSR 34
 - Aedes simpsoni* complex, Africa 663
 - Aedes togoi* 32
 - Anopheles*, Africa 1050
 - Culicidae*, Iran 2611
 - Culicinae*, Israel 662
 - Cuterebra*, North America 1048
 - Hyalomma*, India 1539
 - Ixodidae*, Saudi Arabia 2186-2187
 - Ixodoidea*, Italy 1814
 - Linguatula arctica* 212
 - nomenclature, Mexico 1551
 - Ommatoiulus moreletii*, Australia 839
 - Periplaneta fuliginosa* 1317
 - Phlebotominae*, Jordan 2085
 - Podocnemis pacificum*, North America 3205
 - Sepsidae*, British Isles 154
 - Toxorhynchites*, Asia 618
 - Geomysdoecus*, Geomyidae, coevolution 2008
 - Geomyidae*, Trichodectidae, coevolution 2008
 - Geotrupes auratus*, morphology, antennae 158
 - Geotrupes pyrenaicus*
 - behaviour, feeding behaviour 2415
 - cattle dung, Italy 2415
 - Geotrupes spiniger*
 - mites 3204
 - Poland 3204
 - Geotrupes stercorarius*
 - mites 3204
 - Poland 3204
 - Geotrupidae*, faeces, Spain 2412
 - Geraniol-based ethers**, effects, Culicidae 1528
 - Gerbils**, ectoparasites 1560
 - German Democratic Republic**
 - Demodex bovis* 205
 - Demodex folliculorum* 349
 - Diptera 487
 - Lucilia caesar* 1750
 - Musca domestica* 489
 - Reference Laboratory for the Control of Medically Important Arthropods 573
 - tickborne encephalitis virus, epidemiology 1541
 - German Federal Republic**
 - Archaeopsylla erinacei* 889
 - Babesia*, epidemiology 2179
 - Carnus hemapterus* 1399
 - Culicidae* 234
 - Dermatophagoides* 1253, 1862, 1865, 2811
 - Dermatophagoides pteronyssinus* 1864
 - Diptera 232, 1760
 - Ixodes ricinus* 329
 - Ixodidae* 167
 - Lyme disease, epidemiology 794
 - Moniezia benedeni*, epidemiology 2450
 - Muscidae* 748, 2114
 - Nanacarus minutus* 809
 - Nycteribia kolennii* 488
 - Sarcophetes scabiei* 197
 - Tabanidae 2388
 - tickborne encephalitis virus, epidemiology 1541
 - Gerridae**
 - Iberian Peninsula, catalogues 2327
 - prey, *Anopheles* 688
 - Ghana**
 - Ixodes moreli* 1804
 - Simulium damnosum* complex 264
 - Simulium damnosum* complex 2087
 - Gigantolaelaps goyanensis*, mammals, Brazil 1558
 - Gigantolaelaps oudehami*, mammals, Brazil 1558
 - Giraffidae*, Akabane virus, Africa 1027
 - Glossina*
 - Africa 101
 - cattle
 - Africa 1713
 - Burkina Faso 1379
 - Congo 1712
 - Glossina cont.**
 - control 1379, 1713, 2100, 2693
 - books 1288
 - cost benefit analysis 2301
 - development projects 1131, 1133-1134, 1138, 1380
 - insecticides 945, 1123-1124, 1706
 - integrated control 1120, 1130, 1136, 1139, 1142
 - models 2278
 - nontarget effects 1538
 - sterile insect release 1135
 - ecology, population ecology, models 2100
 - fluorescent dyes 1143
 - genetics, DNA 943
 - human immunodeficiency virus 433
 - transmission 1712
 - livestock, Africa 1142
 - models 1130
 - parasitoids 101
 - physiology, olfaction 2102
 - reports, Africa 104, 1707
 - Trypanosoma*
 - Africa 2693
 - detection 2695
 - transmission 1379
 - Trypanosoma vivax*, host parasite relationships 2999
 - Zimbabwe 945
 - Glossina austeni**
 - cattle, Kenya 2094
 - control 1128
 - Critidilia fasciculata*, pathogenicity 2092
 - gamma radiation, sterilization 1140
 - genetics, DNA, nucleotide sequences 2103
 - Mozambique 1128
 - physiology, cuticle 2380
 - rearing techniques 1140
 - Trypanosoma infection* 711
 - Trypanosoma congolense* 2094
 - infection 2101
 - Trypanosoma vivax*, infectivity 3001
 - Glossina brevipalpis**
 - biochemistry, cuticle, hydrocarbons 2998
 - control 1128
 - insecticides 1122
 - Mozambique 1128
 - rearing techniques, mass production 1145
 - sheep, Somalia 1717
 - Trypanosoma*
 - infection 711
 - transmission 1717
 - Trypanosoma congolense*, infection 2101
 - Trypanosoma vivax*, infectivity 3001
 - Glossina caliginea**, mangrove forests, Congo 465
 - Glossina frezili**
 - mangrove forests, Central Africa 103
 - taxonomy, new species 103
 - Glossina fuscipes**
 - cattle, Zaire 3002
 - Trypanosoma* 3002
 - Glossina fuscipes fuscipes**
 - biochemistry, cuticle, hydrocarbons 2998
 - Critidilia fasciculata*, pathogenicity 2092
 - genetics, DNA, nucleotide sequences 2103
 - resting places, Uganda 2099
 - Trypanosoma*, infection 711
 - Trypanosoma congolense*, infection 2101
 - Trypanosoma vivax*, infectivity 3001
 - Glossina fuscipes quanzensis**
 - habitats, Congo 463
 - Trypanosoma*, transmission 1716
 - Trypanosoma congolense* 1715
 - urban areas, Congo 1715-1716
 - Glossina longipennis**
 - sheep, Somalia 1717
 - Trypanosoma*, transmission 1717
 - Glossina medicorum**, mangrove forests, Congo 465

- Glossina morsitans**
 behaviour, activity 1118
 control 1128
 insecticides 1122
 Mozambique 1128
Trypanosoma, prevalence 2691
 Zambia 2691
- Glossina morsitans centralis**
 control, sterile insect release 711
 genetics, DNA, nucleotide sequences 2103
 isometamidium chloride, effects 1381
Trypanosoma, infection 711, 1708
Trypanosoma brucei, infection 2093
Trypanosoma congolense, infection 2101
Trypanosoma vivax, infectivity 3001
- Glossina morsitans morsitans**
 age determination 869
 antibacterial agents, effects 2095
 bacteria, immune response 2688
 biochemistry, accessory glands 267
 biology, longevity 3000
 cattle, Zimbabwe 2687
 control
 impregnated targets 1125
 insecticides 2687
Critchidia fasciculata, pathogenicity 2092
 deltamethrin, effects 3000
Escherichia coli, effects 2095
 gamma radiation, sterilization 1140
 genetics
 cytogenetics 710
 DNA, nucleotide sequences 2103
 genome analysis 2686
 growth regulators, sterilization 944
 monitoring, traps 1125, 1143
 physiology
 digestion, lipids 2690
 immune system 2688, 2692, 2997
 protein transport 2996
 sex pheromones, receptors 1119
 rearing techniques 1140
Rickettsia 1383
Trypanosoma, infection 105, 1714, 2095, 2692
Trypanosoma brucei, infection 265
Trypanosoma congolense, infection 2098, 2694, 3000
 viruses 1383
 Zimbabwe 1125, 1143, 1383
- Glossina morsitans submorsitans**
 attractants 461
 Burkina Faso 1127
 control, integrated control 1127
 genetics, DNA, nucleotide sequences 2103
 hosts, Burkina Faso 461
Trypanosoma, infection 1714
- Glossina nigrofusca**
 Ivory Coast 1710, 2097
 salivary glands, hypertrophy 1710
- Glossina pallidica**
 Ivory Coast 1710
 man, Ivory Coast 2097
 monitoring, traps, biconical traps 2097
 salivary glands, hypertrophy 1710
- Glossina pallidipes**
 cattle, Zimbabwe 2687
 control 1128
 impregnated targets 1125
 insecticides 1122, 2687
 research 1132
 distribution, Sudan 2096
 ecology, population ecology 2379
 forests, Somalia 2379
 gamma radiation, sterilization 1140
 genetics, DNA, nucleotide sequences 2103
 insecticides, susceptibility 1121
 Kenya 1121
 monitoring, traps 1125, 1143
 Mozambique 1128
 rearing techniques 1140, 1711
Rickettsia 1383
 sheep, Somalia 1717
Trypanosoma
 prevalence 2379, 2691
 transmission 1717
Trypanosoma rhodesiense 106
- Glossina pallidipes cont.**
 viruses 1383
 Zambia 2691
 Zimbabwe 1125, 1143, 1383
- Glossina palpalis**
 control 3003
 integrated control 1126, 1137
 Ivory Coast 1710
 man, Ivory Coast 1382, 2097
 monitoring, traps, biconical traps 2097
 Nigeria 1137
 rain forests, Ivory Coast 1126
 salivary glands, hypertrophy 1710
 Togo 3003
Trypanosoma 3003
Trypanosoma gambiense, transmission 1382
- Glossina palpalis gambiensis**
 biochemistry, cuticle, hydrocarbons 2998
 Burkina Faso 1127
 control, integrated control 1127
Critchidia fasciculata, pathogenicity 2092
 distribution, Liberia 464
 genetics, DNA, nucleotide sequences 2103
 physiology, immune system 2997
 pigs, Liberia 2378
 taxonomy, identification 464
Trypanosoma, infection 711
Trypanosoma brucei, transmission 2378
Trypanosoma congolense, infection 2101
Trypanosoma vivax, infectivity 3001
- Glossina palpalis palpalis**
 attractants 1144
 biochemistry, cuticle, hydrocarbons 2998
 control
 sterile insect release 1129
 trapping 102
 distribution, Liberia 464
 ecology, behaviour 266
 forests
 Liberia 1144
 Nigeria 1129
 gamma radiation, sterilization 1140
 genetics, mutants 1141, 1384
 hosts, Congo 266
 ivermectin, effects 1141
 monitoring, traps 1144
 physiology, digestion 1709
 rearing techniques 1140-1141
 symbionts, DNA, synthesis 2689
 taxonomy, identification 464
Trypanosoma, infection 711, 1714
Trypanosoma congolense, infection 2101
Trypanosoma gambiense, transmission 266
Trypanosoma vivax, infectivity 3001
 villages, Congo 102
- Glossina swynnertonii**, control, insecticides 1122
- Glossina tabaniformis**
 cattle, Zaire 3002
Trypanosoma 3002
- Glossina tachinoides**
 attractants 461
 biochemistry, cuticle, hydrocarbons 2998
 Burkina Faso 1127
 carbon dioxide, attractants 462
 control 3003
 integrated control 1127
Critchidia fasciculata, pathogenicity 2092
 gamma radiation, sterilization 1140
 genetics, DNA, nucleotide sequences 2103
 hosts, Burkina Faso 461
 physiology, immune system 2997
 rearing techniques 1140
 savanna, Burkina Faso 462
 Togo 3003
Trypanosoma 3003
 infection 711, 1714
Trypanosoma congolense, infection 2101
Trypanosoma vivax, infectivity 3001
- Glossinidae**, books 577
- Glossogobius biocellatus**, *Lernaea*, Philippines 3231
- Glossogobius giurus**, *Lernaea*, Philippines 3231
- Glossophaga soricina**, *Spelaeorhynchus hutsoni*, Brazil 2810
- Glycyphagidae**, livestock housing, Czechoslovakia 544
- Glycyphaginiæ**
 control, environmental management 1881
 house dust, Netherlands 1881
- Glycyphagus domesticus**
 allergens, cross reactivity 2445
 farms, Finland 347
 man, allergies 1481, 2220
- Glycyphagus hypudaei**, *Microtus chrotorhinus*, New York 3194
- Glyphosate**, toxicity, Culicidae 2592
- Glyptolaspis confusa**
 poultry droppings 3034
 prey, *Musca domestica* 3034
- Glyptotendipes barbipes**, biochemistry, histones 3029
- Glyptotendipes paripes**
 Alberta 1162
 behaviour, defense 1746
 growth regulators, effects 2577
 predators 1162, 1746
- Gnathia calva**, ultrastructure, digestive system 3229
- Goat pox virus**, vectors, *Stomoxys calcitrans*, mechanical transmission 2701
- Goats** (*Capra hircus*)
Anopheles, Egypt 1627
Chorioptes bovis, skin diseases 2806
coumaphos, effects 3326
Culicoides, Jamaica 79
 Diptera, myiasis 1421
 ectoparasites
 Mali 3215
 reviews 1306
- Ixodidae**
 India 998
 injuries 999
 Saudi Arabia 778, 2186-2187
 Senegal 519
 Sudan 993
 USSR 765
 Jamestown Canyon virus, USA 1629
Linguatula serrata, pentastomiasis 2245
- Linognathus**, skin diseases 2938
- Lucilia sericata**, myiasis 112
- Oestrus ovis**, Burkina Faso 3008
- parasites, zoonoses 2429
- Phlebotomus**, India 932
- Przhevalskiana silenus*, myiasis 468, 1721
- Raillietia caprae**, ear diseases 346
- Rhipicephalus**, paralysis 1813
- Rift Valley fever virus, Mauritania 3241
- Sarcopetes scabiei**, skin diseases 543, 813
- Sarcopiformes, Saudi Arabia 201
- Stomoxys calcitrans* 2701
- Wohlfahrtia magnifica*, myiasis 2113
- xenobiotics, metabolism 2861
- Gobiidae**
 prey, Culicidae 2660
 salt marshes, Queensland 2660
- Golden hamsters** (*Mesocricetus auratus*)
 Ixodidae 364
- Goniocotes bidentatus** (see *Campanulotes bidentatus*)
- Goniopterus australis**
Leipoa ocellata, South Australia 1580
 taxonomy, new species 1580
- Goniodes tetraphasis**
 taxonomy, new species 2929
- Tetraophasis obscurus*, China 2929
- Gordius**, cats, Japan 3119
- Grain stores, storage mites, Denmark 2220
- Grasslands, *Aedes juppi*, South Africa 2065
- Great Saltée virus**, vectors, *Ixodes uriae*, Europe 1801

- Greece, *Aphodius pittinii*** 1775
Gregarinia, hosts, *Myrmecia pilosula* 1781
Gregarinidae, hosts, arthropods 215
Grenada
Aedes aegypti 1655
Sarcopeltis scabiei 1879
Gromphadorhina portentosa, biochemistry, diphenols 2507
Gryllus, *Moniliformis moniliformis*, infection 2405
Gryllus bimaculatus, *Moniliformis moniliformis*, infection 2405
Gryllus desertus, *Moniliformis moniliformis*, infection 2405
Guam
Anopheles 2569
 malaria, epidemiology 2569
Guatemala
Aedes aegypti 1655
Anopheles albimanus 2353
Cochliomyia hominivorax 126
Lutzomyia guatemalensis 702
Lutzomyia ypsilon 1690
Onchocerca volvulus, epidemiology 2676
Rhytidelasma 1483
Rhytidelasma bicostata 3195
Simulium 261
Simulium ochraceum 1705
Guinea, *Simulium sirbanum* 2682
Guineafowls (*Numida meleagris*)
 Mallophaga, skin diseases 401
Guineapigs (*Cavia porcellus*)
Amblyomma americanum
 immunity 311
 resistance 762, 1471
Amblyomma variegatum, immunization 535
Dermacentor andersoni, resistance 170
Dermacentor reticulatus, skin diseases 2180
 ectoparasites 1560
 equipment 1302
 insect repellents, effects 572
 Ixodidae, immune response 2173
Rhipicephalus appendiculatus, resistance 1470
Trixacarus caviae, skin diseases 204, 1886, 2434
Gyps africanus, *Argas*, Zimbabwe 3155
Gyps coprotheres, *Argas*, Zimbabwe 3155
Gyps fulvus, *Argas gilcolladoi*, Spain 516
Habitat destruction
 against
Aedes aegypti 1103
Amblyomma americanum 1815
Culex 1351
 vectors 3
Haddock, *Caligus*, Atlantic Ocean 1498
Haemaphysalis
 diseases, reviews 185
 hosts, Somalia 313
 Italy 185
Haemaphysalis aciculifer
 cattle, Cameroon 518, 1843
 control, acaricides 1843
 ecology, phenology 518
Haemaphysalis anomala, buffaloes, India 1456
Haemaphysalis arborensis, buffaloes, India 1456
Haemaphysalis bispinosa
Babesia, German Federal Republic 2179
 buffaloes, India 1456
 cattle, 2417
 control, acaricides 1200
 livestock, India 998
 sheep, India 1200
Theileria annulata, transmission 2417
Haemaphysalis campanulata
 Japan 181
 man, bites 181
Haemaphysalis concinna
 ecology, habitats 770
 German Federal Republic 167
 hosts, China 770
 parks, Italy 871
Haemaphysalis cornupunctata, buffaloes, India 1456
Haemaphysalis erinacei, *Hemiechinus auritus*, Iraq 1834
Haemaphysalis himalaya, buffaloes, India 1456
Haemaphysalis hispanica
 distribution, Portugal 325
Oryctolagus cuniculus 325
Haemaphysalis humerosa
 cattle, Queensland 1451
Theileria buffeli, transmission 1451
Haemaphysalis intermedia
 buffaloes, India 1456
 livestock, India 998
 propertamphos, toxicity 1198, 1468
Haemaphysalis japonica
 ecology, habitats 770
 hosts, China 770
Haemaphysalis leachii leachii, *Babesia*, German Federal Republic 2179
Haemaphysalis longicornis
Babesia ovata, infection 3162
 buffaloes, India 1456
 cattle
 Japan 514
 Queensland 1451
 distribution, Western Australia 2500
 ecology
 environmental factors 1823
 habitats 770
 hosts, China 770
 laboratory animals, equipment 1302
 sampling 2782
Theileria buffeli, transmission 1451
Theileria sergenti
 infection 1846, 2171
 transmission 514
 ultrastructure, salivary glands 1202
Haemaphysalis marginatum, parks, Italy 871
Haemaphysalis montgomeryi, buffaloes, India 1456
Haemaphysalis nepalensis, buffaloes, India 1456
Haemaphysalis neumannii (see H. longicornis)
Haemaphysalis pospelovashromae, sheep, USSR 765
Haemaphysalis punctata
 birds, Italy 164
 distribution, Switzerland 1450
 ecology, population ecology 1450
Francisella tularensis 1196
 parks, Italy 871
 physiology, water relations 1836
 rodents, USSR 1196
 sheep diseases, transmission 996
 UK 996
Haemaphysalis spinigera
 cattle, India 998
 ecology 1821
 forests, India 1821
Haemaphysalis sulcata
 distribution, Yugoslavia 1199
 ecology, environmental factors 1199
Haemaphysalis verticalis
 ecology, habitats 770
 hosts, China 770
Haematobia irritans
Actinomyces pyogenes, transmission 2114
 behaviour
 dispersal 1404
 environmental factors 1156
 biology, dispersal 118
 cattle
 Europe 1757
 Florida 117
 France 712, 2005
 Georgia 134, 3040
 German Federal Republic 2114
 Israel 3085
 liveweight gains 1153
 losses 121
 Louisiana 1398
 Manitoba 3043
 Nebraska 146, 1173
 North Dakota 133, 140
 South Dakota 135
 USA 118, 3031
 cattle dung
 Missouri 1155
Haematobia irritans cont.
 cattle dung cont.
 South Carolina 3111
 Texas 2755
 control, insecticides 117, 121, 135, 146, 712, 1153, 1173, 1398, 1757, 2005, 2114, 3040, 3043
 ecology
 diapause 1155
 population ecology 1404
 fenvalerate, resistance 140
 insecticide resistance 131
 management 115
 resistance mechanisms 1403
 insecticides, bioassays 3016
 methoprene, toxicity 2730
Moraxella bovis, transmission 1153
Moraxella ovis, mechanical transmission 3085
 Nebraska 121
 parasitoids 2755
 permethrin, resistance 120, 3031
 predators 1762, 3111
 pyrethroids, resistance 133-134
 Texas 1404
Haematobia irritans exigua
 cattle, liveweight gains 281
 cattle dung, Queensland 2719
 control
 biological control 757, 2719
 insecticides 281
 ecology, survival 2719
Haematopinus eurysternus, phoresy 2937
 livestock, India 3012
 Queensland 281
 repellents 3012
Haematobia irritans irritans
 cattle, Iowa 732
 distribution, South East Asia 2500
 ecology, population ecology 732
Haematobia thirouxi potans
 cattle dung, South Africa 2719
 control, biological control 2719
 ecology, survival 2719
 predators 3011
Haematobosca stimulans
Actinomyces pyogenes, transmission 2114
 cattle
 Czechoslovakia 1749
 Europe 1757
 German Federal Republic 2114
 control, insecticides 1757, 2114
 ecology, seasonal abundance 1749
Haematophagous arthropods
 parasites, transmission 2449
 physiology, reviews 1052
 rearing techniques 2908
Haematophagous insects, ecology, population ecology 392
Haematopoides squamosus, *Parascalops breweri*, USA 3193
Haematopinus asini
 control, insecticides 2006
 horses, skin diseases 2006
Haematopinus eurysternus
 cattle
 Argentina 2318
 France 2005
 control, insecticides 2005, 2318
Haematobia irritans, phoresy 2937
Haematopinus suis
 control, insecticides 200, 1848, 2936
 ecology, seasonal abundance 1246
 pigs
 Indiana 1246, 2936
 skin diseases 200, 1848
Haematopota
 cattle
 Europe 1757
 France 712
 milk yield 283
 control, insecticides 283, 712, 1757
 distribution, South East Asia 1393
Oryctolagus cuniculus, Italy 871
 USSR 283, 723
 Zambia 2691
Haematopota americana
 distribution, North America 1731
 taxonomy, identification 1731

- Haematopota bealesi**
Laos 1393
taxonomy, new species 1393
- Haematopota chAMPLAINI**
distribution, North America 1731
taxonomy, identification 1731
- Haematopota cynthiae**
Nepal 1393
taxonomy, new species 1393
- Haematopota dissimilis**
livestock, India 3012
repellents 3012
- Haematopota excipula**
Kampuchea 1393
taxonomy, new species 1393
- Haematopota gobindai**
Nepal 1393
taxonomy, new species 1393
- Haematopota italicica**
cattle, Poland 486
control, insecticides 1760
ecology, phenology 486
horses, German Federal Republic 1760
parks, Italy 871
ruminants, German Federal Republic 2388
Trypanosoma, transmission 2388
- Haematopota pallens**
behaviour 723
USSR 723
- Haematopota pluvialis**
cattle, Poland 486
control, insecticides 232, 1760
ecology
 phenology 486
 population ecology 232
horses, German Federal Republic 232, 1760
ruminants, German Federal Republic 2388
Trypanosoma, transmission 2388
- Haematopota punctulata**
distribution, North America 1731
taxonomy, identification 1731
- Haematopota rara**
distribution, North America 1731
taxonomy, identification 1731
- Haematopota subcylinDRICA**
control, insecticides 232
ecology, population ecology 232
horses, German Federal Republic 232
- Haematopota vimoli**
taxonomy, new species 1393
Thailand 1393
- Haematopota willistoni**
distribution, North America 1731
taxonomy, identification 1731
- Haemobaphes dicercaus**, *Limanda herzensteini*, Pacific Ocean 1499
- Haemogamasus ambulans**, Omsk haemorrhagic fever virus, transmission 1047
- Haemogamasus nidiformes**
small mammals, Korea Republic 2209
taxonomy, keys 2209
- Haemogamasus serdjkovae**
small mammals, Korea Republic 2209
taxonomy, keys 2209
- Haemogamasus trapezoideus**
small mammals, Korea Republic 2209
taxonomy, keys 2209
- Haemolaelaps casalis** (*see Androlaelaps casalis*)
- Haemolaelaps glasgowi** (*see Androlaelaps fahrenholzi*)
- Haemoproteus columbae**, vectors,
Pseudolynchia canariensis, transmission 2387
- Haiti**
Ornithodoros puertoricensis 1817
Wuchereria bancrofti, epidemiology 1611
- Halacaridae**, hosts, aquatic organisms, reviews 1856
- Hamsters**
ectoparasites 1560
Ixodes dammini 317
- Lutzomyia* 95
- Harpella melusinae**, hosts, *Austrosimulium* 455
- Harpirhynchus**, pigeons, Belgium 586
- Hay**
storage mites
 Finland 347
 Iceland 1482
- HCH** (1,2,3,4,5,6-hexachlorocyclohexane)
- against
 Anopheles culicifacies 2543
 Demodex folliculorum 349
 Dermanyssus hirundinis 800
 Diptera 2742
 Ixodidae 1200
 Sarcopetes scabiei 1472
 Triatoma infestans 2531
Chlorophyta, effects 2282
Clarias batrachus, toxicology 386
repellents, *Hydrotaea irritans* 1157
residues, milk 1961
resistance
 Anopheles culicifacies 2064
 Culex pipiens 2059
- γ -HCH (*see Lindane*)
- Heartwater** (*see also Cowdria ruminantium*)
- Heartworm** (*see also Dirofilaria immitis*)
- Hebardina agaboides**
ecology, seasonal abundance 2911
forests, Ivory Coast 2911
- Hebridae**, Iberian Peninsula, catalogues 2327
- Heizmannia**, man, India 235
- Heleidomermis magnapapula**
hosts, *Culicoides variipennis* 1676
taxonomy, new species 1676
- Heleidomermis vivipara**, hosts, *Culicoides variipennis* 2662
- Heleomyzidae**, Iraq 272
- Heliconia caribaea**, fauna, Venezuela 891
- Helicopagella melanura**
Enterobacteriaceae, transmission 1161
human faeces, Romania 1161
- Helicoverpa zea**, cell lines, *Bacillus sphaericus*, toxins, toxicity 1662
- Helina curtostylata**, taxonomy, new species 2133
- Helina dibrachiata**, taxonomy, new species 2133
- Helina inflata**, taxonomy, new species 2133
- Helina leptinocorpus**, taxonomy, new species 2133
- Helina truncata**, taxonomy, new species 2133
- Helina xizangensis**, taxonomy, new species 2133
- Helotes sexlineatus**, *Livoneca*, Arabian Gulf 2448
- Hemianax papuensis**
behaviour, predation 1985
New Zealand 1985
prey, invertebrates 1985
- Hemiechinus auritus**, ectoparasites, Iraq 1834
- Hemilucilia segmentaria**
carrión, Brazil 965
reproduction, ovarian development 965
- Hemioniscus balani**, Cirripedia, models, parasitism 1295
- Hemiptera**, prey, arthropods 4
- Hemipyrellia**, taxonomy, keys 1540
- Hemipyrellia bougainvillia**
Papua New Guinea 1540
taxonomy, new species 1540
- Hemipyrellia fernandica**
carrión, South Africa 1408
ecology, coexistence 1408
- Hemizonia fitchii**, extracts, *Aedes aegypti* 2966
- Hempa** (hexamethylphosphoric triamide)
sterilization, *Culex quinquefasciatus* 922
- HEOD** (*see Dieldrin*)
- Hepatitis B virus**
vectors
 Culex quinquefasciatus, transmission 2348
 Ornithodoros moubata, transmission 528
- Hepatitis B virus** *cont.*
vectors *cont.*
Ornithodoros moubata, transmission *cont.*
- Heptachlor** (1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene)
residues, dwellings 3321
- Heptachlor epoxide** (2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro-2,5-methano-2H-indeno[1,2-b]oxirene)
mode of action 1067
- Heptatoma pellucens**, distribution, Romania 2728
- Heptenophos** (7-chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phosphate)
against, *Sarcopetes scabiei* 197
- Hermetia illucens**
biology, development 277, 1158
man, myiasis 2721
morphology, larvae 1158
poultry droppings 277
- Herpestes**, *Ixodes*, Zimbabwe 3156
- Herpyllus ecclesiasticus**, man, bites 1493
- Hesperoperla pacifica**
behaviour, predation 1296
prey, aquatic insects 1296
- Heterohyrax brucei**, *Ixodes matopi*, Zimbabwe 3156
- Heterometrus fulvipes**, biology, environmental factors 548
- Heteropezina bharatika**, taxonomy, new species 2727
- Heteropoda**, man, bites 549
- Heteroptera**, pheromones, reviews 2011
- Heterorhabditis**, hosts, *Lucilia cuprina*, infectivity 1727
- Heterorhabditis heliothidis**
against
 Musca domestica 2111
 Muscoidea 472
hosts
 Diptera 2389
 Musca domestica, infectivity 280, 750
 Muscoidea, infectivity 480
predators 3270
- Heterotylenchus**, hosts, *Musca vetustissima* 742
- Heterotylenchus autumnalis**, hosts, *Musca autumnalis* 714, 948
- 5-Hexadecanolide**, synthesis 1766
- Hexadrin** (*see Endrin*)
- Hexamiton** (*see Tetradifon*)
- Hexane**, toxicity, *Musca domestica* 1758
- Hexavin** (*see Carbaryl*)
- HHDN** (*see Aldrin*)
- Hides and skins**, *Psoroptes ovis*, damage 2799
- Highlands J virus**, taxonomy 1505
- Hippobosca equina**
cattle, France 2005
control, insecticides 2005
- Hippoboscidae**
game birds, South Africa 1308
parks, Italy 871
- Hippocentrodes desmotes**, distribution, South East Asia 1393
- Hippodamia convergens**, *Lagenidium giganteum*, pathogenicity 3260
- Hippopotamidae**, Akabane virus, Africa 1027
- Hipposiderobia cloeotis**
Cloeotis percivali, Zaire 189
taxonomy 189
- Hipposiderobia coelopos**
Coelops frithi 189
taxonomy, new species 189
- Hipposideros bicolor**, *Trombiculastria guangdongensis*, China 2212
- Hiroshima**
cattle, Japan 1743
ecology, seasonal abundance 1743
- Hirstonynsus gansuensis**
rodents, China 3179
taxonomy, new species 3179
- Hirstonynsus hilli**, rodents, New Mexico 585
- Hirstonynsus huangheensis**
rodents, China 3179

- Hirstionyssus huangheensis** cont.
 taxonomy, new species 3179
- Hirstionyssus laterispinatus**
 rodents, China 3179
 taxonomy, new species 3179
- Hirstionyssus xinghaiensis**
 rodents, China 3179
 taxonomy, new species 3179
- Hirsutiella zachvatkini**, morphology, mid-gut 796
- Hirundo pyrrhonota**, nests, *Oeciacus vicarius*, Colorado 886
- Hirundo rustica**
 nests, *Oeciacus vicarius*, Colorado 886
 Protocalliphora azurea, UK 957
- Hister**, prey, *Haematobia thirouxi* 3011
- Hister nomas**, biology, development 3105
- Histeridae**
 carion
 Hawaii 1548
 South Africa 1299
 cattle dung
 Australia 3068
 Nebraska 1173
 Zimbabwe 3076
 distribution, Chile 2413
 prey, *Haematobia thirouxi* 3011
 sampling 3068
 taxonomy, keys 2413
- Histiotomatidae, Sorex**, New York 3194
- Histochemistry**
 Aedes aegypti, secretions, oocytes 1089
 Culex tarsalis, midgut 63
 Hyalomma marginatum, salivary glands 178
 Macrocheles perglerber, glands, secretions 1011
 Periplaneta americana, nervous system 2510
- Histology**
 Boophilus microplus, techniques 517
 Bovicola caprae, digestive system 597
 Nerocila depressa, secretory cells 1497
 Rhipicephalus evertsi, porose areas, glands 992
- History**
 arthropods, war 1920
 bancroftian filariasis, South Carolina 243
 International Society on Toxinology 574
 Istituto Superiore di Sanità 575
 malaria
 Brazil 1263
 research 250
 research, Hymenoptera, venoms 1429
- Hoffmannina peruviana**
 Lestoros inca, Peru 1245
 taxonomy, new species 1245
- Hogs (see Pigs)**
- Hohorstiella radovskyi**
 Otidiphaphis nobilis, Indonesia 1581
 taxonomy, new species 1581
- Hohorstiella tenorioae**
 Caloenas nicobarica, Papua New Guinea 1581
 taxonomy, new species 1581
- Holarctic Region**
 Calliphoridae 1417
 Pollenia 1394
- Homalomena cordata**, *Mansonia*, substrates 899
- Homalomena rostrata**, *Mansonia*, substrates 899
- Homo sapiens** (see Man)
- 22S,23S-Homobrassinolide**, effects, *Periplaneta americana* 7
- 22S,23S-Homocastasterone**, effects, *Periplaneta americana* 7
- Honduras**, *Rhytidelasma* 1483
- Hong Kong**, *Aedes albopictus* 927
- Hoplopleura affinis**, *Apodemus agrarius*, Italy 588
- Hoplopleura hirsuta**, rodents, New Mexico 585
- Hoplopleura oenomydis**, *Tatera indica*, Kuwait 2909
- Horse dung**, dung beetles, Spain 2412
- Horses (*Equis caballus*)**
 Amblyomma cajennense, Brazil 315
 Amblyomma neumannii, Colombia 328
- Anopheles**, Egypt 1627
 arboviruses 2034
- Argasidae**, Zimbabwe 3155
- Babesia** 1844
- Culex**, skin diseases 409
- Culicidae**, Argentina 1650
- Culicoides**, skin diseases 1108
- Culicoides variipennis**, Louisiana 1675
- Culiseta inornata**, Manitoba 2563
- Diptera**
 German Federal Republic 232,
 1760
 myiasis 2704
 skin diseases 2332
 eastern equine encephalitis virus, New Jersey 1912
- Epicauta**, poisoning 1174
- Gasterophilus**
 Italy 1386
 Kentucky 1718, 2696
 myiasis 109, 466, 1388, 1719
 Texas 2697
- Gasterophilus intestinalis**
 Hungary 2383
 myiasis 471
- Glossina**, Congo 1716
- Hypoderma diana**, myiasis 2104
- ivermectin**, effects 2479
- Ixodidae**, China 770
- mites**, skin diseases 199
- Otobius megnini**, India 2192
- Phthiraptera**, skin diseases 2006
- Rhipicephalus turanicus** 1007
- Tabanidae**
 France 2135
 Italy 871
- Hospitals**
 Abis, contamination 1602
 Dermanyssus gallinae, Massachusetts 2227
 Sarcopeltis scabiei, Missouri 1018
- House dust**
 allergens 1512-1513
 bacteriosorbent test 804
- Dermatophagoidea**
 Denmark 360
 German Federal Republic 1862,
 1865
 Virginia 2805
- Dermatophagoidea deanei**, Brazil 209
- Dermatophagoidea pteronyssinus** 1882,
 2800
 allergens, Japan 1488
 German Federal Republic 1864
- house dust mites**, Netherlands 1881
 mites, Brazil 210
- House dust mites**
 allergens
 detection 805
 nomenclature 845
 allergies, reviews 356
 biology, reviews 1487
 control, environmental management 1489
 distribution, Brazil 210
 dwellings
 Denmark 2222
 Georgia 3185
 Japan 1489
 man
 allergies 334, 810, 1487, 1489, 2222
 reviews 2219
 mucocutaneous lymph node syndrome 1506
 taxonomy, keys 210
- Human diseases**, Ixodoidea, reviews 185
- Human faeces**
 Diptera, Romania 1161
 Muscoidea, Brazil 2394
- Human immunodeficiency virus**
 Diptera, cell lines, infection 433
 insects, transmission 557
 man, Florida 557
 vectors
 arthropods, transmission 364
 Culicidae, transmission 372
 Glossina, transmission 1712
 insects 433
- Hungary**
 Chironomidae 76
- Hungary** cont.
 Gasterophilus intestinalis 471, 2383
 Mallophaga 402
 Musca domestica 483-485
 Sciurus vulgaris, ectoparasites 168
 tickborne encephalitis virus, epidemiology 1541
- Hunniwiel, against**, *Anopheles sinensis* 1622
- Hyalomma**
 arboviruses, USSR 2452
 cattle
 India 2417
 Morocco 180
 Zimbabwe 309
 Cervus elaphus, Spain 513
 control, acaricides 2, 309, 1811
 diseases, reviews 185
 domestic animals, India 2
 hosts, Somalia 313
 India, books 1539
 Italy 185
 taxonomy, keys 1539
 Theileria annulata 180
 transmission 2417
 Thogoto virus 2248
- Hyalomma albiparvatum**
 cattle, Tanzania 1210
 control, acaricides 1210
 ecology, distribution 1210
- Hyalomma anatolicum**
 cattle, India 2192, 2416
 control, acaricides 2192
 iron napththenate, toxicity 766
 Karshi virus, infection 173
 Theileria, prevalence 2416
 tickborne encephalitis virus, infection 175
- Hyalomma anatolicum anatolicum**
 acaricides, toxicity 536
 biology 1539
 buffaloes, India 1456
 cattle
 Egypt 1008
 immune response 169
 India 998
 Sudan 1215
 distribution, India 1539
 livestock, Saudi Arabia 778, 2186-2187
 physiology, feeding 169
 rabbits, resistance 3141
 Theileria, transmission 1008
 Theileria annulata 2170, 2790
 transmission 2417
 tickborne diseases 1215
- Hyalomma anatolicum excavatum**
 cattle 2177, 2420
 Egypt 1008
 USSR 324
 Congo virus, Africa 2251
 livestock, Saudi Arabia 2186-2187
 physiology, water relations 1836
 Theileria, transmission 1008
 Theileria annulata, transmission 2177,
 2420
- Hyalomma arabica**, livestock, Saudi Arabia 778, 2187
- Hyalomma asiaticum**
 behaviour, orientation 763
 deserts, USSR 763
 Karshi virus, infection 173
 morphology, sensilla 322
- Hyalomma asiaticum asiaticum**, camels, USSR 324
- Hyalomma brevipunctata**
 biology 1539
 buffaloes, India 1456
 distribution, India 1539
- Hyalomma detritum**
 biology 1539
 distribution, India 1539
 Hemitechinus auritus, Iraq 1834
- Hyalomma dromedarii**
 biology 1539
 buffaloes, India 1456
 camels, USSR 324
 cattle
 India 2416
 Sudan 1215
- Congo virus** 781
 distribution, India 1539

- Hyalomma dromedarii** cont.
 ecdysterone, effects, neurosecretion 3153
 growth regulators, effects 774, 1808
 livestock, Saudi Arabia 2186-2187
 physiology
 endocrine system 1807
 neurosecretion 767, 769
Theileria, prevalence 2416
Theileria annulata, infection 3171
 tickborne diseases 1215
 ultrastructure
 cuticle 3144
 eyes 1463
 West Africa 781
- Hyalomma hussaini**
 biology 1539
 buffaloes, India 1456
 cattle, India 998
 distribution, India 1539
- Hyalomma hystricis**
 biology 1539
 distribution, India 1539
- Hyalomma impeltatum**
 cattle, Sudan 1215
 Congo virus 781
 livestock, Saudi Arabia 778, 2186-2187
 tickborne diseases 1215
 West Africa 781
- Hyalomma impressum**
 Congo virus 781
 livestock, Senegal 519
 West Africa 781
- Hyalomma kumari**
 biology 1539
 distribution, India 1539
- Hyalomma lusitanicum**
 cattle, Spain 3165
Theileria annulata, transmission 3165
- Hyalomma marginatum**
Babesia, German Federal Republic 2179
 cattle, Spain 3165
 livestock, USSR 765
 Stomozan, toxicity 1811
- Hyalomma marginatum isaaci**
 biology 1539
 buffaloes, India 1456
 cattle, India 998
 distribution, India 1539
 histochemistry, salivary glands 178
- Hyalomma marginatum rufipes**
 cattle
 Cameroon 518
 Malawi 1213
 Sudan 1215
 Tanzania 1210
 Congo virus 781, 1197
 Africa 2251
 control, acaricides 1210
 ecology
 distribution 1210
 phenology 518
 seasonal abundance 1197
 game birds, South Africa 1308
 hosts, South Africa 1197
 livestock
 Saudi Arabia 2186-2187
 Senegal 519
 tickborne diseases 1213, 1215
 West Africa 781
- Hyalomma marginatum turanicum**
 biology 1539
 distribution, India 1539
- Hyalomma nitidum**
 cattle, Cameroon 518
 Congo virus 781
 ecology, phenology 518
 West Africa 781
- Hyalomma plumbeum** (see *H. marginatum*)
- Hyalomma rufipes** (see *H. marginatum rufipes*)
- Hyalomma schulzei**, livestock, Saudi Arabia 2186
- Hyalomma truncatum**
 acaricides, resistance 1212
 cattle
 Malawi 1213
 tick toxicoses 2424
 Zambia 1212, 2767
- Hyalomma truncatum** cont.
 Congo virus 781, 1197
 control, acaricides 1835, 2767
 ecology, seasonal abundance 1197
 hosts, South Africa 1197
 livestock
 Saudi Arabia 2187
 Senegal 519
Monanema martini, infection 2195
 sheep, Namibia 1835
 tickborne diseases 1212-1213
 toxins, biochemistry, kinetics 3149
 West Africa 781
- Hybomitra**
 cattle
 Europe 1757
 milk yield 283
 control, insecticides 283, 1757
 ecology, seasonal abundance 1629
 Jamestown Canyon virus, transmission 1629
 USSR 283, 723
- Hybomitra epistates**
Borrelia burgdorferi, prevalence 2788
 Connecticut 2788
 monitoring, traps 2706
 Ontario 2706
- Hybomitra erberi**
 behaviour 723
 USSR 723
- Hybomitra expollicata**
 behaviour, feeding behaviour 2135
 horses, France 2135
- Hybomitra lasiophthalma**
Borrelia burgdorferi, prevalence 2788
 Connecticut 2788
Mollicutes, USA 2141
 monitoring, traps 2706
 Ontario 2706
- Hybomitra micans**
 ruminants, German Federal Republic 2388
Trypanosoma, transmission 2388
- Hybomitra montana**
 behaviour, oviposition 736
 natural enemies 736
 plants, Japan 736
- Hybomitra nuda**
 monitoring, traps 2706
 Ontario 2706
- Hydrachnella**, man, female genital diseases 2228
- Hydramethylnon** (tetrahydro-5,5-dimethyl-2(1H)-pyrimidinone [3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone)
 against
 Blattella germanica 2913
 Vespa pensylvanica 2764
- Hydrogen sulfide**, water, determination 2496
- Hydrometridae**
 Iberian Peninsula, catalogues 2327
 prey, *Anopheles* 688
- Hydromya dorsalis**
 ecology 740
 Irish Republic 740
- Hydrophilidae**
 cattle dung
 Australia 3068
 Nebraska 1173
 Zimbabwe 3076
 prey
 Anopheles 688
 Haematobia thirouxi 3011
 sampling 3068
- Hydrophilus triangularis**, *Lagenidium giganteum*, pathogenicity 3260
- Hydroprene** ((2E,4E)-ethyl 3,7,11-trimethyl-2,4-dodecadienoate)
 effects
 Blattella germanica 2919
 Ctenocephalides felis 1606
 Musca domestica, enzymes 2118
- Hydrostemma motteyi**, *Mansonia*, substrates 899
- Hydrotaeidae**
 cattle
 Europe 1757
 Netherlands 1729
- Hydrotaeidae** cont.
 control, insecticides 1729, 1757
 refuse tips, Brazil 2705
 taxonomy, larvae 2705
- Hydrotaea albipuncta**
 control, insecticides 1760
 horses, German Federal Republic 1760
- Hydrotaea dentipes**
 control, insecticides 2743
 furbearing animals, USSR 2743
- Hydrotaea irritans**
 bacteria, mechanical transmission 3084
 cattle
 Czechoslovakia 1749
 Europe 125
 summer mastitis 3084
 control, insecticides 1760, 2115
 ecology, seasonal abundance 1749
 genetics, chromosomes 292
 horses, German Federal Republic 1760
 mastitis, transmission 125
 morphology, sensilla 1744
 red deer, behaviour 1157
 repellents 1157
 sheep, UK 2115
- Hydrotaea meteorica**
 cattle, Czechoslovakia 1749
 control, insecticides 2743
 ecology, seasonal abundance 1749
 furbearing animals, USSR 2743
- Hygiene**, against, house dust mites 1013
- Hylesia metabus**
 morphology, urticating hairs 975
 toxins, characterization 975
- Hylesia urticans**
 French Guiana 1779
 man, skin diseases 1779
 morphology, urticating apparatus 1779
- Hylomys sinensis sinensis**, *Leptotrombidium*, China 1478
- Hymenoptera**
Acholeplasma 847
 ecology, population ecology 2411
 entomogenous fungi 3272
 evolution, thelytoky 2411
 hosts
 Hybomitra montana 736
 Stomoxys calcitrans 129
 man
 hypersensitivity 1438, 1769, 2458
 books 2490
 diagnosis 2461
 immunotherapy 2157
 treatment 2462
 stings 159, 1921
 protection 2409
 morphology
 venom apparatus 1430
 wings, folding 3133
 stings, man, immune response 2460
 venoms
 allergens, nomenclature 845
 books 1536
 characterization 1427
 collection 1431
 history 1429
- Hyperlaelaps arvalis**
 ecology 193
- Microtus**, USSR 193
- Hyperlaelaps microti**, *Microtus chrotorrhinus*, New York 3194
- Hyperoliuss marmoratus**, prey, Culicidae 47
- Hypersensitivity**
Apis mellifera
 man 160, 505-506, 976, 1177, 2158,
 2167, 2750-2751, 3093
 treatment 3249
 arthropods, man 3250
 Chironomidae, man 3014
- Ctenocephalides**
 dogs 230
 diagnosis 2331
- Ctenocephalides felis**, dogs 1603, 2330
- Culex**, horses 409
- Culicidae**, man 1628
- Culicoides**, horses 1108
- Formicidae**, man 1437, 2410
- Hymenoptera**
 man 159, 300-301, 306, 754-755,
 984, 1172, 1438, 1769, 1790,

- Hypersensitivity cont.**
- Hymenoptera cont.**
- man cont.
 - 2156, 2407, 2458-2460, 3094, 3252
 - diagnosis 1770, 2461, 2469
 - immunotherapy 2153-2154, 2157, 2749
 - skin tests 3100
 - insects
 - man 2467
 - books 2490
 - treatment 2462
 - Ixodes holocyclus*, man 1452
 - Musca domestica*, man 3022
 - Myrmecia pilosula*, man 1178
 - Pthirus pubis*, man 2934
 - Simuliidae, livestock 456
 - Solenopsis invicta*, man 161, 1187
 - Triatoma*, man 2941
 - Triatoma protracta*, man 600
 - Vespiidae, man 1772-1773, 3095
 - Vespula*, man 507, 2747, 2757
- Hyphomycetes**
- hosts
 - Blattella germanica* 878
 - infection 1572
 - pathogenicity 1057
 - Hypoaspis miles*, *Parascalops breweri*, USA 3193
 - Hypochrosis hyadaria*
 - behaviour, feeding behaviour 3090
 - buffaloes, Indonesia 3090
 - Hypodectes propus*, pigeons, Italy 2809
- Hypoderma**
- cattle
 - myiasis 2109
 - diagnosis 3007
 - Cervus elaphus*, myiasis 513
 - China 108
 - control 2109
 - insecticides 746, 2108
 - France 2109
 - game animals, Austria 2108
 - livestock, Poland 746
 - man, myiasis 108
 - pathogens 108
 - Spain 513
 - Hypoderma bovis*
 - cattle
 - immune response 470
 - Korea Republic 1724, 2382
 - liveweight gains 3005
 - myiasis 467, 1146, 1725
 - control, insecticides 1146
 - Italy 467
 - reproduction, gonotrophic development 3006
 - Hypoderma diana*
 - Czechoslovakia 2104
 - horses, myiasis 2104
 - Hypoderma lineatum*
 - biochemistry, enzymes 1387
 - cattle
 - China 2698
 - Georgia 2930
 - immune response 469-470, 1723
 - liveweight gains 3005
 - myiasis 467, 1146, 1725
 - China 2107
 - control, insecticides 1146
 - Italy 467
 - reproduction, gonotrophic development 3006
 - taxonomy, chemotaxonomy 2107
 - yaks, China 1385
 - Hypoderma lineatum lineatum*, taxonomy 1385
 - Hypoderma lineatum sinense*, taxonomy 1385
 - Hypoderma sinense*
 - China 2107
 - taxonomy, chemotaxonomy 2107
 - yaks, China 1385
 - Hypoderma tarandi*, reindeer, reviews 2308
 - Hypogastrura scotti*, prey, entomophilic nematodes 3270
 - Hyraeoidea**, Ixodoidea, Somalia 313
 - Hystrichopsylla orientalis*
 - ecology, reviews 1329
 - small mammals, Poland 1329
 - Hystrichopsylla tahavuana*, *Parascalops breweri*, USA 3193
 - Hystrichopsylla talpae*
 - ecology, reviews 1329
 - small mammals, Poland 1329
 - Hystrichopsylla talpae istrica*, *Apodemus agrarius*, Italy 588
 - Hystrichopsylla talpae talpae*, *Apodemus agrarius*, Italy 588
 - Hystrichopsyllidae**, morphology 1327
 - Iceland**
 - Ixodes uriae* 1801
 - Simuliidae 940
 - storage mites 1482
 - Ichneumonoidea**
 - behaviour, parasitism 1432
 - venoms, biochemistry 1433
 - Idiella*, taxonomy, keys 1540
 - Idiella hirashimai*
 - Papua New Guinea 1540
 - taxonomy, new species 1540
 - IKI-7899** (see *Chlorfluazuron*)
 - Illeus virus*, epidemiology, Brazil 213
 - Ilione albisetata* (see *Knutsonia albisetata*)
 - Immunity**
 - guineapigs, *Amblyomma americanum* 311, 762
 - rabbits
 - Aedes aegypti* 902
 - Amblyomma americanum* 1818
 - Immunization**
 - against
 - Hypoderma lineatum* 1723
 - Rhipicephalus appendiculatus* 1190
 - guineapigs, *Amblyomma variegatum* 535
 - Immunoassays**, allergens, *Dermatophagoides* 337
 - Immunoblotting**, venoms, allergens 162
 - Immunocytochemistry**, Diptera, nervous system 3045
 - Immunology**
 - antibodies, age differences 336
 - cattle
 - Boophilus microplus* 1457
 - Hyalomma anatomicum* 169
 - Hypoderma* 470
 - Hypoderma lineatum* 469
 - Ixodidae 990
 - Psoroptes ovis* 1887
 - dogs
 - Ctenocephalides felis* 2330
 - Demodex* 1928
 - fowls, *Ornithonyssus sylviarum* 333, 3189
 - guineapigs
 - Amblyomma americanum* 1471
 - Dermacentor andersoni* 170
 - Rhipicephalus appendiculatus* 1470
 - hosts
 - ectoparasites, reviews 2457
 - Ixodes dammini*, saliva 3140
 - man
 - Apis mellifera*, venoms 2750
 - Dermatophagoides farinae* 811
 - allergens 802
 - Dermatophagoides pteronyssinus*, allergens 1019-1020, 1475
 - Hymenoptera, venoms 755, 984
 - insects, allergies 1511
 - Triatominae, allergens 2523
 - mice
 - Eutrombicula alfreddugesi* 2442
 - vectors 897
 - rabbits
 - Hyalomma anatomicum* 3141
 - Ixodidae 171
 - Ornithodoros moubata* 529
 - rats, *Dermatophagoides farinae*, allergens 357
 - sheep, *Lucilia cuprina* 143
 - parasites, reviews 2457
 - Ixodes dammini*, saliva 3140
 - Immunotherapy**
 - dogs, *Ctenocephalides* 230
 - man
 - allergies 3251
 - Apis mellifera*, venoms 160, 505-506, 976, 1177, 1922, 2751, 3249
 - Dermatophagoides* 1253
 - Dermatophagoides farinae*, allergens 3197
 - Immunotherapy cont.**
 - man cont.
 - Dermatophagoides pteronyssinus*
 - 801
 - allergens 1250, 1474, 1868
 - Formicidae, venoms 2410
 - house dust mites, allergens 356
 - Hymenoptera, venoms 300-301, 754, 1172, 1768, 2153-2154, 2157, 2463-2466, 2749
 - Polistes*, venoms 2155
 - Vespula*, venoms 507, 2757
 - Impregnated targets**
 - against
 - Glossina* 1122, 1125, 1127
 - Glossina palpalis* 1126, 1129
 - Indexes**, common names, poisonous animals 1924
 - India**
 - Aedes albopictus* 927, 2051
 - Aedes krombeini* 680
 - Anopheles* 77, 673, 2544
 - Anopheles culicifacies* 70, 2064, 2543
 - Anopheles culicifacies complex* 672
 - Anopheles minimus* 236
 - Anopheles subtropicus* 423
 - Anystidae 188
 - aquatic organisms, checklists 1055
 - arboviruses, epidemiology 1026
 - arthropods, pathogens 215
 - Bacillus sphericus* 679
 - Bembix* 752
 - Boophilus microplus* 1822
 - Culex harrisoni* 2070
 - Culex pseudovishnui* 681
 - Culex quinquefasciatus* 424, 1639
 - Culex sitiens* 2650
 - Culex tritaeniorhynchus* 907, 2071
 - Culex vishnui* 681
 - Culicidae 235, 240, 417-419, 426, 675, 912, 914, 916-917, 2338
 - Culicoides* 2667
 - Diptera 1421, 3012
 - domestic animals, ectoparasites 2
 - Eristalis tenax* 493
 - forensic entomology 278
 - Gasterophilus intestinalis* 109
 - Haemaphysalis spinigera* 1821
 - Heteropezina bharatika* 2727
 - horses, ectoparasites 199, 2006
 - Hyalomma* 1539, 2416
 - insectivorous fishes 674, 909
 - Ixodes petauristae* 1455
 - Ixodidae 998, 1456
 - Ixodoidea 2192
 - Japanese encephalitis virus, epidemiology 908, 3239
 - Leishmania donovani*, epidemiology 2675
 - Lernaea* 552
 - malaria, epidemiology 2077
 - Mansonia* 915, 1369
 - milk, insecticide residues 1961
 - Mylabris* 1179
 - Periplaneta americana* 2004
 - pesticide residues, conferences 1981
 - Phlebotomus* 449, 932
 - Phlebotomus argentipes* 933
 - Phlebotomus papatasii* 1375
 - Pseudolynchia canariensis* 2387
 - Sarcopeltis scabiei* 3214
 - Sirthenea* 18
 - Speleognathopsis galli* 195
 - Stigmæus sinai* 2081
 - taxonomy, insects, research 2889
 - Theileria annulata*, epidemiology 2417
 - Indian Ocean**
 - fishes, parasites 1907
 - Nerocila depressa* 1497
 - Indiana**, *Musca domestica*, parasitoids 478
 - Indonesia**
 - Aedes albopictus* 640, 927
 - Anopheles aconitus* 2333
 - Anopheles sundaicus* 667
 - Boophilus microplus* 531
 - Calliphoridae 1540
 - Chrysomya yayukae* 1148
 - Demodex bantengi* 2214
 - Dermacentor steini* 1805
 - Diptera 277

- Indonesia cont.**
 farm workers, pesticides, poisoning 2486
Hohorstiella radovskyi 1581
 Lepidoptera 3090
Nanacarus minutus 809
 phytotelmata, fauna 1054
Rallicola irediparuae 1583
Sarcopeltis scabiei 543
Toxorhynchites 618
Toxorhynchites coeruleus 1626
- Injuries**
 Ixodidae, goats 999
Magicicada septendecim, man 888
- Insect growth regulators**
 against, insect pests 2872
 mode of action 1971
- Insect pests**, control, simulation models 2278
- Insect viruses**
 against
 Culicidae 393
 insect pests 3282
 catalogues, books 3350
 reviews 2255
- Insecticide residues**, cattle feeds, Pakistan 1962
- Insecticide resistance**
Aedes aegypti
 Caribbean 1655
 genetics 2551
Anopheles albimanus, Guatemala 2353
Anopheles culicifacies, India 2064
Anopheles stephensi, genetics 900
 Blattaria, resistance mechanisms 1067
Blattella germanica
 New Jersey 1315
 Poland 395
 selection 2917
 standards 593
Culex pipiens
 cross resistance 2059
 genetics 684, 1356
 resistance mechanisms 2060
Culex tarsalis
 California 2550
 genetics 2601
Culex tritaeniorhynchus, resistance mechanisms 2647
 Diptera, resistance management 748
Drosophila melanogaster, resistance mechanisms 2849
 evaluation 131
Fannia canicularis, California 1751
Glossina pallidipes, Kenya 1121
Haematobia irritans 131
 pyrethroid insecticides 3031
 resistance mechanisms 1403
 insects
 resistance management 3285
 selection 2850
Lucilia cuprina
 Australia 296
 genetics 504
 management, *Haematobia irritans* 115
Musca domestica
 German Democratic Republic 489
 Hungary 483-485
 Jordan 1733
 resistance management 961
 resistance mechanisms 730-731, 2717
- Insecticides**
 aerial application 945
 aerial spraying, deposition 1280, 1286
 aerosols, dispersion 945
 against, insect pests 2844
 application methods, aerosols 1706
 bioassays, methodology 2905
 development 3292
 droplet size, insecticidal action 1273
 ectoparasites, reviews 1305
 effects, aquatic organisms 865
 evaluation 1936
 mode of action 221, 1941
 nontarget effects, books 1538
 reviews 2476
 water, contamination, quality standards 865
 workers, occupational hazards 1949-1950
- Insectivores**
 ectoparasites, USSR 587
 Ixodoidea, Somalia 313
- Insectivorous fishes**
 against, Culicidae 393
 India 674, 909
 prey, Culicidae 674, 909
- Insects**
 Arabian Peninsula, books 218
 biochemistry, nervous system 221
 cell lines, chitin, synthesis 2894
 man, war 1920
 morphogenesis, books 2875
 pets, books 3338
 phylogeny, books 3347
Yersinia enterocolitica, transmission 1028
- Insects as food**
Lethocerus indicus 1601
 man, Colombia 3102
- Insektin** (see Permethrin)
- Inselliellum**, taxonomy 1377
- Instituto Evandro Chagas**, Wellcome Parasitology Unit, research 3336
- Integrated control**
Aedes aegypti 1625
Anopheles sinensis 440
Blattella germanica 2913
Bovicola ovis 403
Culex quinquefasciatus 1661
 Culicidae 240
 Diptera 487, 716
Glossina 1120, 1122, 1127, 1130, 1136, 1138, 1142, 1288
Glossina palpalis 1126, 1137
 Ixodidae 1208
Musca domestica 747
 pests, books 3341
Simulium arcticum 458
 vectors, reviews 1049
- Integrated pest management**
 conferences 2884
 systems analysis 2846
- Invertebrates**, biology, books 3342-3343
- Invictolide**, synthesis 3328
- Iodofenphos** (see Jodfenphos)
- Iprobenfos**, synergism 2060
- Iran**
Anopheles 2588
 Blattaria 1323
 Culicidae 2611
- Iraq**
Anopheles 1609
Culex pipiens 2058
 Culicidae 2053
 Diptera 272
Gambusia affinis 1631
Hemiclinus auritus, ectoparasites 1834
Menacanthus stramineus 882
Phlebotomus papatasii 1375
- Irediparra gallinacea**, *Rallicola irediparuae*, New Guinea 1583
- Irianian brevis**
Petaurus breviceps, New Guinea 3181
 taxonomy, new species 3181
- Iridomyrmex humilis**
 forensic entomology, blood group antigens 1443
 polygyny, evolution 508
- Iridoviridae**, reviews 2255
- Irish Republic**
Borborus 3038
Echidnophaga gallinacea 2945
Ixodes uriae 1204
Ornithodoros maritimus 1801
Sciomyzidae 740
Sepsidae 154
Iron naphthalene, toxicity, Ixodoidea 766
- Irrigation water**
Culex antennatus, Egypt 655
 Culicidae, Romania 66
- Ischnura cervula**, *Lagenidium giganteum*, pathogenicity 3260
- Ischnura elegans**, ecology, population dynamics 584
- Ischnura verticalis**, prey, Chironomidae 1297
- Islands**, aquatic organisms, checklists 1055
- Isoamyl lactate**, repellents, insects 627
- Isobenzene** (1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran)
 analogues
 modes of action 1529
 toxicity, Diptera 1529
- Isobutyl lactate**, repellents, insects 627
 $(2E,4E)$ -N-Isobutyl-6-phenylhexa-2,4-dienamide, toxicity, *Musca domestica* 724
- Isotenophos** (1-methylethyl 2-[[ethoxy[(1-methylethyl)amino]phosphinothioyl]oxy]benzoate)
 metabolism, *Musca domestica* 273
- Isomalathion** (see Diethyl [[methoxy(methylthio)phosphinyl]thio]butanedioate)
- Isometamidium**, effects, *Trypanosoma brucei*, *Glossina morsitans* 2093
- Isometamidium chloride**, effects, *Glossina morsitans* 1381
- α -Isooctadecyl- ω -hydroxypoly(oxy-1,2-ethanediyl)**
 efficacy, *Aedes taeniorhynchus* 2625
 toxicity, Culicidae 2592
 with *Bacillus thuringiensis*
 against
 Anopheles 2614
 Anopheles albimanus 2603
- Isophen** (see Dinobuton)
- Isopoda**, *Epinephelus malabaricus*, Malaysia 1908
- 3-Isopropyl-1-methylcyclopentanecarboxylic acid**, repellents, Blattaria 1059
- Israel**
Bacillus sphaericus 248
Bacillus thuringiensis 894
 bluetongue virus, epidemiology 2835
Cimex hemipterus 22
Culex pipiens 1100
 Culicinae 662
Moraxella ovis, epidemiology 3085
Pediculus capitis 2518
Phlebotomus papatasii 259, 1681
Pthirus pubis 2934
Rhipicephalus bursa 1794
Rhipiphoridae 3135
- Isshikia wenchuanensis**
 China 1391
 taxonomy, new species 1391
- Issyk-Kul virus**, epidemiology, USSR 2452
- Istituto Superiore di Sanità**, research, reviews 575
- Italy**
Apodemus agrarius, ectoparasites 588
 birds, ectoparasites 164
Culex 409
 Culicidae 871
Epidemoptes bilobatus 541
Gasterophilus 466, 1386, 1388
Geotrupes pyrenaeus 2415
Hypodectes propus 2809
Hypoderma 467
 Istituto Superiore di Sanità 575
 Ixodidae 871
 Ixodoidea 185, 1814
 Phlebotominae 931
Phlebotomus 1110
Phlebotomus papatasii 1375
Phlebotomus perflavus 258
Phlebotomus perniciosus 450
Przhevalskiana silenus 468
Psoroptidae 3211
Sarcopeltis 539
Sarcophagidae 345
 Thogoto virus 2248
- Iverkin** (see Ivermectin)
- Ivermectin** (22,23-dihydroavermectin B₁)
 against
 Alphitobius diaperinus 3112
 Amblyomma hebraeum 2423
 Astigmata 542
 Boophilus decoloratus 3167
 Boophilus microplus 2770
 Chrysomya bezziana 1728
 Demodex canis 1884
 ectoparasites 201, 2108, 2796-2797
 Glossina 1123
 Hypoderma 1146

- against cont.
Linognathus 2938
 mites 331
Notodres cati 2440
Oestrus ovis 269, 1720
Pedicinus eurygaster 1585
Przhevalskiana silenus 1721
Psoroptes 1850, 2428
Psoroptes ovis 344, 2201, 2794,
 3209
Sarcopotes 340
Sarcopetes scabiei 538, 543, 1851,
 1871, 2207, 2439, 3210
Sarcopitiformes 339, 345, 2206,
 3208
Trixacarus caviae 2434
 chitin, inhibition 2894
 effects
 cattle dung, fauna 3324
 dromedaries 2439
Glossina 104, 1141
 livestock 2479
 nontarget effects 1531-1532
Ivermectin (see Ivermectin)
Ivory Coast
Blattaria 2911
Culex quinquefasciatus 634, 670
Glossina 1124, 1710, 2097, 2301
Glossina palpalis 1126
 trypanosomiasis, epidemiology 1382
Ixodes
Cervus elaphus, Spain 513
 diseases, reviews 185
 Italy 185
Ixodes acuminatus, parks, Italy 871
Ixodes apronophorus
Francisella tularensis 1196
 Omsk haemorrhagic fever virus, transmission 1047
 rodents, USSR 1196
Ixodes arboricola, German Federal Republic 167
Ixodes aulacodi
 biology, development 2778
Thryonomys swinderianus 2778
Ixodes brunneus, *Dendroica coronata*, tick
 paralytic 2194
Ixodes canisuga, German Federal Republic 167
Ixodes cavipalpus, hosts, Zimbabwe 3156
Ixodes cornutus
 Australia 1257
 man
 paralytic 1257
 tick paralytic 2780
Ixodes crenulatus
 ecology, habitats 770
 hosts, China 770
Ixodes dammini
Babesia microti 2425
 infection 3163
Borrelia burgdorferi 525, 841, 2836
 infection 777, 1826
 New Jersey 2776
 New York 1004
 prevalence 2788
 transmission 524
 USA 1467
 Wisconsin 523
 Connecticut 2788
 control, acaricides 2776
 diseases, transmission 317
 distribution, Maryland 2425
 dogs, Wisconsin 1812
 ecology, seasonal abundance 792-793
 man, Massachusetts 1798
 Massachusetts 777
Peromyscus leucopus, Connecticut 524
 physiology
 feeding 3140
 water relations 1836
 repellents 1798
Robertdolffusidae, New York 1841
 rodents, Rhode Island 2766
 small mammals
 Connecticut 792-793
 Wisconsin 525
Ixodes daveyi, *Tauraco porphyreolophus*, Zimbabwe 3156
- Ixodes elongatus*, small mammals, Zimbabwe 3156
Ixodes frontalis, German Federal Republic 167
Ixodes hexagonus, German Federal Republic 167
Ixodes holocyclus
 Australia 1257
 dogs, paralysis 318-319
 immunoglobulins, detection 1452
 man
 hypersensitivity 1452
 paralysis 1257
 paralysis, pets, treatment 1514
Ixodes matopi, *Oreotragus oreotragus*, Zimbabwe 3156
Ixodes moreli
 behaviour, feeding behaviour 1804
Bovidae, Ghana 1804
Ixodes neitzii, *Aepyceros melampus*, Zimbabwe 3156
Ixodes pacificus
Borrelia burgdorferi
 prevalence 1203
 transmission 526
 California 1203
Spiroplasma 1003
Ixodes persulcatus
Borrelia burgdorferi 761
 transmission 532
 control, acaricides 759
 ecology, habitats 770
 man, Japan 532
 morphology, sexual dimorphism 174
Murinae, USSR 176
 Omsk haemorrhagic fever virus, transmission 1047
 sheep, China 770
 tickborne encephalitis virus 176
 USSR 759, 761
Ixodes petauristae
 distribution, India 1455
Sciuridae, India 1455
Ixodes pomeranzovi
 ecology, habitats 770
 hosts, China 770
Ixodes pseudoratus, dogs, Zimbabwe 3156
Ixodes ricinus
Babesia divergens, Switzerland 3159
Babesia microti, infection 1793
 birds
 Belgium 586
 Italy 164
Borrelia, transmission 1461
Borrelia burgdorferi 761, 841
 France 1819
 German Federal Republic 794
 transmission 2190
 UK 2784
 cattle, UK 1795
Cervus dama, Italy 871
 control, acaricides 320, 1795
 distribution
 Switzerland 1450
 Yugoslavia 1199
 ecology 782
 environmental factors 1199
 population ecology 1450
Francisella tularensis 1196
 German Federal Republic 167
Lacerta agilis, German Federal Republic 329
 louping ill virus, Spain 2421
 man
 Czechoslovakia 1205
 Sweden 1461, 2190
 physiology, water relations 1836
 rodents, USSR 1196
Sciurus vulgaris, Hungary 168
 sheep, UK 320
 sheep diseases, transmission 996
 small mammals
 Europe 1541
 Switzerland 1793
 tickborne encephalitis virus
 prevalence 1205
 transmission 1541
Trypanosoma, UK 530
 UK 996
 USSR 761
- Ixodes rubicundus*
Antidorcas marsupialis, paralysis 527
 South Africa 527
Ixodes scapularis, *Borrelia burgdorferi*, transmission 2247
Ixodes schillingsi, Sciuridae, Zimbabwe 3156
Ixodes simplex, *Miniopterus schreibersi*, Zimbabwe 3156
Ixodes trianguliceps
Babesia microti, prevalence 1793
 German Federal Republic 167
 small mammals, Switzerland 1793
Ixodes ugandanus, carnivores, Zimbabwe 3156
Ixodes uriae
Alcidae, Europe 1801
 Antarctica 2786
 Europe 1204
 Great Saltee virus 1801
Orbivirus 1204
 physiology, cold tolerance 2786
Ixodes walkerae, carnivores, Zimbabwe 3156
Ixodes woodi
Neotoma micropus, Texas 1792
 taxonomy, redescription 1792
Ixodidae
 Africa, books 1289
 animal diseases 314
 arboviruses, USSR 2452
Borrelia burgdorferi, transmission 310
 cattle
 Kenya 1244
 reviews 1304
 cattle diseases, transmission 1006
 cell lines, *Besnoitia besnoiti*, infection 1842
 control
 acaricides 1209, 2781
 cost benefit analysis 1207, 1240
 environmental management 1810
 integrated control 1208
 models 1189
Coxiella burnetii 1507
 distribution, Italy 1814
 dogs
 anaemia, treatment 2787
 reviews 2312
 domestic animals, USSR 1810
 ecology, environmental factors 1005
 Egypt 1005-1006
 game birds, South Africa 1308
 hosts, Somalia 313
 larvae, counting 316
 livestock
 Africa 1208
 productivity 1240
 reviews 1306
 man, bites 1454, 2781
Nocardia brasiliensis, transmission 1454
 physiology, endocrine system 308
 pigs, reviews 1307
 preservation 997
Procazia capensis, South Africa 2310
 resistance, cattle 2772
Retroviridae, transmission 364
Rickettsia conorii 556
Rickettsiaceae, infection 760
 small mammals
 Czechoslovakia 350
 USSR 587
 Somalia 314
Theileria parva 2196
 tickborne diseases 1207, 1289
 models 772
 reviews 1001
 transmission 1244, 2426
 USSR 324
 wild animals, South Africa 870
Ixodoidea
 arboviruses, Australia 1508
 books 577
 control
 acaricides 2
 models 1191, 1193
 diseases, reviews 185
 domestic animals, India 2
Ehrlichia canis, transmission 1002
 Italy 185

- Ixodoidea cont.**
 livestock, East Africa 1980
 mammals, Brazil 1558
 man, USA 1002
 monitoring 1233
 parasites, host parasite relationships 3247
 pets, skin diseases 2252
 population ecology, simulation models 1232
 research, reviews 575
Rickettsia 555
Rickettsiaceae 554
 tickborne diseases
 epidemiology, models 3160
 transmission 1233, 1980
- Jamaica**
Aedes aegypti 1655
Culicoides 79
Rhytidelasma bicostata 3195
- Jamestown Canyon virus**
 epidemiology, Indiana 2033
 man, China 367
 vectors
 Aedes, infection 1621
 Aedes stimulans, transmission 2033
 haematophagous arthropods, transmission 1629
 wild animals, USA 1629
- Japan**
Achaeareana tepidiorum 2235
Aedes albopictus 927, 2579, 2587
Amorphacarus yezoensis 808
Brachypogon 2982
Culex 2591
Culex pipiens 666
Culicoides schultzei 447, 2078
Dermacentor taiwanensis 776, 789
Dermatophagoïdes farinae 802
Dermatophagoïdes pteronyssinus 803, 1488
Haemaphysalis campanulata 181
Haemaphysalis longicornis 514, 3162
Haemobaphes diceraus 1499
 house dust mites 1489
Hybomitra montana 736
Ixodes persulcatus 532
 Japanese encephalitis virus, epidemiology 1504
Knemidokoptes mutans 2433
Musca domestica 961
Orthohalarache attenuata 806
 pesticides, registration 1527
Polistes 981
Ropalidia fasciata 1780
Simuliidae 100, 705, 2090
Stonemyia 3028
Tabanidae 1743
Theileria sergenti, epidemiology 514
Tokunagayusurika akamusi 722
Toxorhynchites towadensis 618
Vespa 1428, 2159
Vespa simillima 3091
- Japanese encephalitis virus**
Aedes albopictus, cell lines, infection 1029
 Asia, bibliographies 1535
 man
 Bangladesh 1640
 India 3239
 pigs
 India 908, 1026
 Japan 1504
 vectors
 Culex betaeniorhynchus, transmission 913
 Culex tritaeniorhynchus, infection 253
 Culex vishnui, India 681
Culicidae
 bibliographies 576
 India 419
 transmission 1640
- Jodfenphos** (*O*-(2,5-dichloro-4-iodophenyl)
O-dimethyl phosphorothioate)
 against, *Haematobia irritans* 281
- Jordan**
Musca domestica 1733
Phlebotominae 2085
- Jordanella floridae**, permethrin, toxicity 2485
- Jussiaea repens** (*see Ludwigia repens*)
- Juvenile hormone analogues**
 against, insect pests 2872
 mode of action 1971
- Juvenile hormone I**
 binding, *Rhodnius prolixus* 1075
 effects, *Blattella germanica* 1065
- Juvenile hormone II**
 effects
 Blattella germanica 1065
 Rhodnius prolixus 1075
- Juvenile hormone III**
 biosynthesis, *Blattella germanica* 1060
Cyperus iria, extracts 3330
 effects
 Blattella germanica 1065
 Nauphoeta cinerea 1578
 Rhodnius prolixus 1075
 identification, *Blattella germanica*, analytical methods 2316
Periplaneta americana, biosynthesis, inhibition 2315
- Juvenile hormones**, mode of action 1971
- K-Othrin** (*see Deltamethrin*)
- Kala azar** (*see also Leishmania donovani*)
- Kampuchea**
Ceratopogonidae 2983
Tabanidae 1393
- Karelia virus**, epidemiology, USSR 2452
- Karshi virus**, vectors, Ixodidae, infection 173
- Kawasaki disease** (*see also Mucocutaneous lymph node syndrome*)
- Kelthane** (*see Dicofol*)
- Kemerovo group viruses**
 characterization 1204
 vectors, Ixodoidea, Europe 1204
- Kenya**
Anopheles 686, 1050, 2067, 2343
Anopheles arabiensis 2042
Anopheles gambiae 2044
Aphodius stefenelli 974
Glossina 1124, 1132
 parasitoids 101
Glossina pallidipes 106, 1121
Ixodidae 1243-1244
Phlebotomus duboscqi 82
Rhipicephalus appendiculatus 1218, 1235, 1241, 3172
 Rift Valley fever virus, epidemiology 2032
Sergentomyia magnidentata 2083
Simulium 2375
Simulium damnosum complex 2680
 taxonomy, insects, research 2890
Theileria parva, epidemiology 2172
Thogoto virus 2248
Trypanosoma congolense, epidemiology 2094
- Kepone** (*see Chlordcone*)
- Keratella**, lindane, effects 861
- Keratella cochlearis**, temephos, effects 3302
- Keys**
Alluaudomyia, Australasia 1373
Amblyomma, America 328
Anopheles, Africa 1050
Anystidae 188
Bembix, Sri Lanka 752
Blattaria, Iran 1323
Brachypogon, Palaearctic Region 2982
Braconidae, North America 3134
Calliphoridae
 larvae 474, 1417
 New Guinea 1540
Ceratopogonidae, Kampuchea 2983
Chrysomya villeneuvei group 1148
Culicidae, UK 2876
Culicinae, Iraq 2053
Culicoides milnei group, Afrotropical Region 692
Cuterebra, North America 1048
Diptera 288
 larvae, Brazil 2705
Ephemeroptera, UK, larvae 2877
Ergasiliidae, Africa 1901
Euscoengastia, larvae, North America 1875
Haematopota, North America 1731
- Keys cont.**
Haemogamasus, Korea Republic 2209
Histeridae, Chile 2413
 house dust mites 210
Hyalomma, India 1539
Lutzomyia squamiventris series 92
Lutzomyia walkeri group 91
Meginnia 3207
Meringis 2536
Ochadaeidae, Africa 2168
Odonata, Europe 1977
Phlebotominae, Jordan 2085
Poecilochirus 3191
Pollenia rudis group, Holarctic Region 1394
Pteromalidae 1782
Sergentomyia
 East Africa 2083
 southern Africa 2082
Simuliidae
 Canary Islands 2091
 eggs 2088
Simulium 1377
Solenopsis, USA 3125
Speleocola 1874
Tabanidae
 larvae 1147
 Nearctic Region, larvae 3072
Tabanus bromius group, larvae 127
Trombiculidae 1245
- Keystone virus**
 man, Florida 557
 vectors, *Aedes atlanticus*, transmission 2834
- Kiefferulus barbatitarsis**, embryogenesis, temperature 3071
- Kiricephalus**, reptiles, pentastomiasis 2243
- Kiricephalus pattoni**, biology, host specificity 2447
- Kitazin** (*see Iprobenfos*)
- Klebsiella**, vectors, Diptera, transmission 1161
- Kleidotoma**, hosts, *Coproica hirtula* 2755
- Knemidokoptes**
 avairy birds, skin diseases 331
 control, acaricides 331
- Knemidokoptes laevis**, avairy birds, reviews 1303
- Knemidokoptes mutans**
 avairy birds, reviews 1303
 fowls
 Cuba 1248
 skin diseases 2433
- Knemidokoptes pilae**
 avairy birds
 reviews 1303
 skin diseases 331
 control, acaricides 331
- Knemidokoptidae**, taxonomy, phylogeny 2215
- Knutsonia albiseta**
 biology, development 739, 3080
 ecology 740
 Irish Republic 740
 prey, *Lymnaea truncatula* 3080
- Korea Republic**
Aedes albopictus 640, 2579
Aedes bekkuai 1364
 arthropods, war 1920
Culicidae 252, 1363
Haemogamasus 2209
Hypoderma bovis 1724, 2382
Pediculus capitis 227
Pentastomida 362
Toxorhynchites christophi 618
- Kuwait**
Dermatophagoïdes 1021
 insects, books 218
Livoneca 2448
Tatera indica, ectoparasites 2909
- Kwell** (*see Lindane*)
- Kyasuran Forest disease virus**, vectors, *Ixodes petauristae*, India 1455
- Kyzylagach virus**, taxonomy 1505
- La Crosse virus**
Aedes triseriatus, infection 1092
 man, West Virginia 2074
 vectors, *Aedes triseriatus*, transmission 1653
- Labidophorus nearcticus**, *Parascalops breweri*, USA 3193

- Laccophilus decipiens**, *Lagenidium giganteum*, pathogenicity 3260
- Laccotrephes griseus**, insecticides, effects 1958
- Laertia agilis**, *Ixodes ricinus*, German Federal Republic 329
- Lachesilla**, *Sciurus carolinensis*, nests, Florida 3092
- Lachesilla forcepeta**, *Sciurus carolinensis*, nests, Florida 3092
- Lachesilla nita**, *Sciurus carolinensis*, nests, Florida 3092
- Lachnus roboris**, honeydew, *Phlebotomus ariasi* 453
- Lachryphagy**, Lepidoptera 3090
- Laelapidæ**
distribution, Puerto Rico 3202
livestock housing, Czechoslovakia 544
- Laelaps alaskensis**, *Parascalops breweri*, USA 3193
- Laelaps hilaris**
ecology 193
Microtus arvalis, USSR 193
- Laelaps kochi** (see *Hyperlaelaps microti*)
- Laelaps nuttalli**
rodents, Egypt 608
Tatera indica, Kuwait 2909
- Lagenidium giganteum**
against, *Culex quinquefasciatus* 2598-2599
- effects, nontarget organisms 3260
- formulations, encapsulation 2599
- hosts
aquatic invertebrates, pathogenicity 3260
Culex, pathogenicity 2562
Culicidae, pathogenicity 411
mammals, pathogenicity 1267
- Lagodon rhomboides**, *Nerocila acuminata*, Gulf of Mexico 2244
- Lagomorpha**
Cuterebra, North America 1048
ectoparasites 1560
Ixodoidea, Somalia 313
- Lake Clarendon virus**, vectors, *Argas robertsi*, transmission 520
- Lakes**, *Coquillettidia perturbans*, Florida 2558
- Lambornella clarki**
biology
life history 2350
parasitism 1362
hosts, *Aedes sierrensis* 1362, 2337, 2350
- Laminoiopsis cysticola**, aviary birds, reviews 1303
- Landfills**, *Periplaneta americana*, Virginia 1567
- Lannate** (see *Methomyl*)
- Lantana camara**, *Glossina fuscipes*, Uganda 2099
- Laos**, Tabanidae 1393
- Lardoglyphidae**, carrion, Hawaii 1548
- Larroussii**, taxonomy 85
- Larvadæ** (see *Cyromazine*)
- Latroductus**
bites, pets, treatment 1514
man, bites 828, 1493
toxins
characterization 833
laboratory animals, effects 833
- Latroductus curacaviensis**, man, bites 549
- Latroductus hasseltii**
Queensland 1254
reproduction, fecundity 1254
- Latroductus hesperus**, dwellings, Maine 2819
- Latroductus indistinctus**
man, envenomation 3217
southern Africa 3217
- Latroductus mactans**, man, bites 1926
- Latroductus pallidus**, venoms, effects, mice 1025
- Latroductus tredecimguttatus**, venoms, characterization 826
- Laundries**, *Sarcophes scabiei*, Missouri 1018
- Lauxaniidae**, Iraq 272
- Lebacycid** (see *Fenthion*)
- Lebistes reticulatus** (see *Poecilia reticulata*)
- Lechriodus fletcheri**, prey, Culicidae 390
- Lecithin**, with *Bacillus thuringiensis*, against, *Anopheles* 2614
- Leipoa ocellata**
Megapodiella parkeri, Australia 1582
Philopteridae, South Australia 1580
- Leishmania**
biology, reviews 2364
vectors
Lutzomyia, transmission 1376
Phlebotominae, reviews 934
- Phlebotomus**
transmission 701
Turkey 1677
- Phlebotomus papatasi**, infection 1691
- Leishmania aethiopica**, vectors, *Phlebotomus papatasi*, infection 1678
- Leishmania amazonensis** (see *L. mexicana amazonensis*)
- Leishmania braziliensis**
vectors
Lutzomyia, Brazil 451
Lutzomyia youngi, transmission 1687
- Leishmania braziliensis braziliensis**
vectors
Lutzomyia 89
Bolivia 90
identification 2368
infection 2363
- Lutzomyia whitmani*, infection 2362
- Leishmania braziliensis complex**, vectors, *Lutzomyia longipalpis*, infection 1679
- Leishmania braziliensis guyanensis**
vectors
Lutzomyia 260
Brazil 451
- Lutzomyia umbratilis*, transmission 80
- Leishmania donovani**
culture techniques 2765
epidemiology, Nepal 699
man, India 2675
- Rhipicephalus*, cell lines, infection 2765
- vectors
Phlebotomus 449
infection 1685
transmission 1683-1684
- Phlebotomus alexandri*, transmission 454
- Phlebotomus papatasi*, infection 1678, 2668
- Leishmania donovani chagasi**
vectors
Lutzomyia longipalpis
infection 2988
isolation 2366
- Leishmania donovani infantum**
vectors
Phlebotomus, transmission 1680
- Phlebotomus ariasi*, transmission 452
- Phlebotomus perfiliewi*, Italy 258
- Phlebotomus perniciosus*, infection 450
- Leishmania gymnodactyli**, vectors, *Phlebotomus papatasi*, infection 1691
- Leishmania infantum** (see *L. donovani infantum*)
- Leishmania major**
culture techniques 2765
DNA probes 1375
man, French Guiana 2369
- Rhipicephalus*, cell lines, infection 2765
- vectors
Lutzomyia longipalpis, transmission 936
- Phlebotomus*
infection 1685, 2989
USSR 698
- Phlebotomus duboscqi*, transmission 82
- Phlebotomus papatasi*
infection 1678, 1691, 2668
transmission 1375
- Tunisia 2987
- Leishmania mexicana**
vectors
Lutzomyia
infection 88, 1689
transmission 2670
- Leishmania mexicana amazonensis**
vectors
Lutzomyia
Brazil 2371
infection 2363
- Lutzomyia flaviscutellata* 89
- Lutzomyia olmeca*, Brazil 1686
- Leishmania mexicana complex**, vectors, *Lutzomyia longipalpis*, infection 1679
- Leishmania mexicana mexicana**
vectors
Lutzomyia abonnenci, infection 2367
- Lutzomyia anthophora*, transmission 1688
- Lutzomyia longipalpis*, isolation 2366
- Lutzomyia ypsilon*, Guatemala 1690
- Leiurus quinquestriatus**
Egypt 550
man, stings 550
physiology, ecdysteroids 551
- toxins
nervous system, binding sites 1024
receptors 816
- venoms, effects, laboratory animals 2822
- Leiurus quinquestriatus hebraeus**
toxins, characterization 3224
- venoms, effects, rats, vasodilators 3227
- Leiurus quinquestriatus quinquestriatus**
toxins
characterization 2238
purification 1495
- Leontopithecus rosalia**, *Speleocola tamarina*, Brazil 1874
- Lepeophtheirus salmonis**
control
nontarget effects 1902
pesticides 553
- Oncorhynchus*, USSR 211
- salmon, Norway 553
- Salmonidae, Norway 1902
- Lepidocephalichthys thermalis**
carbofuran, effects 1275
- insecticides, effects 3309
- prey, Culicidae 909
- Lepidoglyphus destructor**
allergens
characterization 1473
cross reactivity 2445
- control, environmental management 1482
- Denmark 1866
- farms, Finland 347
- Finland 358
- grain stores, Denmark 2220
- hay, Iceland 1482
- man, allergies 348, 354, 358, 1481, 1866, 2220
- Lepidoptera**
anatomy, books 3346
- lachryphagy 3090
- urticating hairs, man 549
- Lepomis cyanellus**, *Lagenidium giganteum*, effects 3260
- Leporidae**, *Triatoma dimidiata*, blood-meals 1595
- Leptagrion siqueirai**
phytotelmata, Venezuela 891
- prey, *Toxorhynchites haemorrhoidalis* 891
- Leptinus testaceus**, *Apodemos agrarius*, Italy 588
- Leptocera acutangula** (see *Coproica acutangula*)
- Leptocera ferruginata** (see *Coproica ferruginata*)
- Leptocera hirtula** (see *Coproica hirtula*)
- Leptoconops**
Kampuchea 2983
- taxonomy, keys 2983
- Leptocyclopodia ferrarii**, *Cynopterus sphinx*, Bangladesh 122

- Leptolegnia chapmani**
biology 249
hosts, *Aedes aegypti* 249
- Leptopsylla segnis**, rodents, Egypt 608, 2024
- Leptospiidae**, morphology 1327
- Leptospira**, mucocutaneous lymph node syndrome 1506
- Leptospira interrogans** serovar. *icterohaemorrhagiae*, vectors, *Triatoma infestans*, infection 228
- Leptocephalus**
Cyclophyllidea, infection 2744
Spain 2744
- Leptotrombiculidium andrei**
Muscicapidae, Thailand 1855
Rickettsia tsutsugamushi 1855
taxonomy, new species 1855
- Leptotrombiculidium dichotogalum**
forests, China 1478
taxonomy, new species 1478
- Leptotrombiculidium fletcheri**, morphology, reproductive system 1878
- Leptotrombiculidium harrisoni**
Cinchidium leucurum, Thailand 1855
Rickettsia tsutsugamushi 1855
taxonomy, new species 1855
- Leptotrombiculidium neoebraci**
small mammals, China 1478
taxonomy, new species 1478
- Leptotrombiculidium orestes**
small mammals, China 1478
taxonomy, new species 1478
- Lepus capensis**
Dermacentor silvarum, China 2181
Hyalomma, South Africa 1197
Ixodidae, China 770
- Lepus crasshayi** (see *L. saxatilis*)
- Lepus saxatilis**
Hyalomma, South Africa 1197
Rhipicephalus, South Africa 1813
Rhipicephalus sulcatus, Sudan 993
- Lepus sinensis formosus**, *Dermacentor taiwanensis*, Taiwan 789
- Lernaea**, fishes, India 552
- Lernaea catostomi**, *Etheostoma flabellare*, Arkansas 2241
- Lernaea cyprinacea**, fishes, Philippines 3231
- Lernaea lophiara**, fishes, Philippines 3231
- Lernaeopoda**, taxonomy, identification 1899
- Lernaeenicus longiventris**, *Mugil curema*, Venezuela 1500
- Lestoros inca**, Trombiculidae, Peru 1245
- Lethocerus indicus**, insects as food 1601
- Leucocytozoon smithi**
vectors
Simulium
infection 1693
transmission 707
- Leucophaea maderae** (see *Rhyparobia maderae*)
- Levamisole**
against, Calliphoridae 2147
with famphur, against, *Hypoderma* 1146
- Liberia**
Chrysomya putoria 2136
Culex antennatus 1105
Glossina palpalis 464, 1144, 2378
Simulium 1113, 2374, 2677, 2993
Simulium souurense 1114, 1116
Simulium yahense 709
- Libya** *Pediculus capititis* 2935
- Limanda herzensteini**, *Haemobaphes diceraus*, Pacific Ocean 1499
- Limatus durhamii**, habitats, Brazil 75
- Lime sulfur** (see *Calcium polysulfide*)
- Limnesiidae**, hosts, *Mansonnia uniformis* 1369
- Limnia unguicornis**
biology, development 739
ecology 740
Irish Republic 740
- Limnodrilus hoffmeisteri**, endrin, effects 1284
- Limnophyes**, *Sarracenia purpurea*, Pennsylvania 2985
- D-Limonene**, toxicity, *Ctenocephalides felis* 1605
- Lindane** ((1 α ,2 α ,3 β ,4 α ,5 α ,6 β)-1,2,3,4,5,6-hexachlorocyclohexane)
against
Chorioptes bovis 2806
Chrysomya bezziana 1728
ectoparasites 200
Linognathus 2938
Pediculus capititis 1071, 1586
Psoroptes 1849
Pthirus pubis 226, 1072
Sarcopeltis scabiei 196, 203, 355, 3186
Sarcopticiformes 345
Chlorophyta, effects 2282
effects
Anabas testudineus 858
Clarias batrachus 387
Daphnia magna 857
ducks 3312
mice 2288
Pipistrellus pipistrellus 3297, 3304
zooplankton 861
formulations, excipients, analysis 2848
mode of action 1067
mutagenesis, *Escherichia coli* 1959
pigs, poisoning 570
plus malathion, against, Crustacea 3306
residues, sheep 2792
resistance
Boophilus 330
Ixodidae 2185
Musca domestica 483, 1733
Rhipicephalus sanguineus 534
toxicity
Amblyomma maculatum 3148
European eels 1957
Hyalomma anatomicum 536
man 2287
with creolin, against, *Psoroptes ovis* 2792
with para-dichlorobenzene, against, *Hydrotaea irritans* 2115
with phenylmethyl benzoate, against, *Sarcopeltis scabiei* 208
- Linguatula arctica**
reindeer, Norway 212
taxonomy, new species 212
- Linguatula denticulata**, cattle, France 2246
- Linguatula serrata**
dogs
Argentina 1990
Morocco 2309
Tanzania 838
Turkey 2240
Egypt 2245
livestock, pentastomiasis 2245
man, France 3233
taxonomy 212
- Linognathus**
control, insecticides 2938
goats, skin diseases 2938
- Linognathus ovillus**
control, insecticides 1584
sheep, skin diseases 1584
- Linognathus vituli**
cattle
Argentina 2318
France 2005
control, insecticides 2005, 2318
morphology, eggs, chorion 1073
- Liparol**, with *Bacillus thuringiensis*, against, *Anopheles* 2614
- Lipeurus parkeri**
Leipoa ocellata, South Australia 1580
taxonomy, new species 1580
- Lipoptena cervi**
control, insecticides 2108
game animals, Austria 2108
Oryctolagus cuniculus, Italy 871
- Lipoptena depressa**
distribution, Alberta 145
Odocoileus virginianus 145
- Liposcelis bostrychophilus**, *Sciurus carolinensis*, nests, Florida 3092
- Lispe leucospila**
Malaysia 954
Nematoda, transmission 954
- Listrophorus mexicanus**, *Microtus chrotorhinus*, New York 3194
- Lithium**
effects
Musca domestica 968, 1419
Rhyparobia maderae 1322
- Livestock**
Diptera, Poland 746
ectoparasites, Caribbean 2185
Glossina, Africa 1142
Ixodidae
Africa 1208, 1289
productivity 1240
Ixodoidea, East Africa 1980
mites, poultry diseases 812
Simuliidae, bites 456
veterinary medicine, books 1975
- Livestock housing**
mites, Czechoslovakia 544
Phlebotomus chinensis, China 1374
- Livistona rotundifolia**, fauna, Indonesia 1054
- Livoneca**, *Helotes sexlineatus*, Arabian Gulf 2448
- Lizards**
Argas brumpti, Zimbabwe 3155
Trombiculidae, coevolution 206
- Loa loa**
man, Nigeria 3240
vectors, Culicidae, host parasite relationships 443
- Locusta migratoria**
allergens, characterization 2754
man, allergies 2754
Nematoda, infection 2406
- Lophoura tetraphylla**
Antimora rostrata, Atlantic Ocean 3232
morphology, appendages 3232
- Louping ill virus**, sheep, Spain 2421
- Lowryacarus longipes**
caves, Western Australia 3181
taxonomy, new species 3181
- Loxodonta africana**, Ixodoidea, Somalia 313
- Loxosceles**
British Columbia 2817
man
bites 549, 1493
envenomation 2817
- Loxosceles bergeri**
man, envenomation 3217
southern Africa 3217
- Loxosceles laeta**
dwellings, Peru 1890
man, envenomation 1890
- Loxosceles parrami**
man, envenomation 3217
southern Africa 3217
- Loxosceles pillosa**
man, envenomation 3217
southern Africa 3217
- Loxosceles reclusa**
man
bites 817, 831, 835, 1492, 1926, 3223
treatment 1898
- toxins
characterization 2816
rabbits, effects 825
- venoms
characterization 1260
enzymes 824
- Loxosceles rufipes**
dwellings, Peru 1890
man, envenomation 1890
- Loxosceles spiniceps** (see *L. spinulosa*)
- Loxosceles spinulosa**
man, envenomation 3217
southern Africa 3217
- Lucilia**
Arkansas 1745
taxonomy, keys 1540
Terrapene carolina, myiasis 1745
- Lucilia bismarckensis**
Papua New Guinea 1540
taxonomy, new species 1540
- Lucilia caesar**
cattle, myiasis 1750
control, insecticides 2743
- Enterobacteriaceae, transmission 1161

- Lucilia caesar* cont.
 furbearing animals, USSR 2743
 German Democratic Republic 1750
 human faeces, Romania 1161
- Lucilia cuprina*
 behaviour
 mating behaviour 475, 1741
 oviposition 2145
 biochemistry, cuticle 3065
 cadavers, Hawaii 1412
 carrion
 Brazil 965
 South Africa 1408
 control, genetic control 969
 diazinon, resistance 504
 domestic animals, myiasis 1421
 ecology
 coexistence 1408
 environmental factors 1409
 entomophilic nematodes, infectivity 1727
 gamma radiation, sterilization 150
 genetics
 chromosomes 492
 segregation 969
 sex determination 1406
 India 1421
 insecticide resistance 296
 Malaysia 954
 Nematoda, transmission 954
 New South Wales 475
 physiology
 secretions 143
 vision 275
 predators 752
 rearing techniques 1422, 1741
 reproduction
 ovarian development 965
 spermatozoa, utilisation 2738
 rural areas, Brazil 2394
 sampling 2145
 sheep
 Australia 296
 immune response 143, 2392
 myiasis 1409, 2145, 2703
- Lucilia eximia*
 carrion, Brazil 955, 965
 monitoring, traps 955
 refuse tips, Brazil 2705
 reproduction, ovarian development 965
 rural areas, Brazil 2394
 taxonomy, larvae 2705
- Lucilia illustris*
 carrion, Finland 123
 control, insecticides 2743
 ecology 123
 furbearing animals, USSR 2743
 man, maggot therapy 2134
- Lurilia sericata*
 biology, diapause 2712
 carrion, South Africa 1408
 cattle housing, USSR 716
 control, integrated control 716
 ecology, coexistence 1408
 Enterobacteriaceae, transmission 1161
Entomophthora muscae, pathogenicity 962
 goats, myiasis 112
 human faeces, Romania 1161
 Iraq 272
 man
 maggot therapy 2134
 myiasis 735, 2124
 New Zealand 112
 Pakistan 735
 parasitoids 2729
 rearing techniques 2714
 Romania 2729
 Saudi Arabia 2124
 sheep
 losses, liveweight gains 2702
 myiasis 2729
- Lucilia silvarum*
 carrion, Finland 123
 ecology 123
- Ludwigia repens*, *Mansonia*, substrates 678
- Lukoschuscoptes*, taxonomy, new genus 2215
- Lukoschuscoptes asiaticus*
 Apodidae, South East Asia 2215
 taxonomy, new species 2215
- Lukoschuscoptinae*, taxonomy, new subfamily 2215
- Lutzomyia*
 biology, reviews 2365
 Brazil 89
 clothing, prophylaxis 260
Leishmania
 reviews 934, 2364
 transmission 1376
Leishmania braziliensis 260
 identification 2368
 man, French Guiana 260
- Lutzomyia abonnenci*, *Leishmania mexicana*, infection 2367
- Lutzomyia anduzei*, *Leishmania braziliensis*, Brazil 451
- Lutzomyia anthophora*
Leishmania mexicana, transmission 1688
 morphology, eggs 2669
- Lutzomyia ayrozae*
 biology, behaviour 96
 Brazil 88-89
 hosts, Brazil 96
Leishmania braziliensis, Brazil 451
Leishmania mexicana, infection 88
- Lutzomyia baculus*
 Brazil 91
 taxonomy 91
- Lutzomyia barrettoi*, Brazil 93
- Lutzomyia begonae*
 rain forests, Venezuela 930
 taxonomy 930
- Lutzomyia bernalei*
 rain forests, Venezuela 930
 taxonomy 930
- Lutzomyia bettini*
 rain forests, Venezuela 930
 taxonomy, new species 930
- Lutzomyia carmelinoi*
 Brazil 91
 taxonomy, new species 91
- Lutzomyia carrerae*
 Bolivia 1682
 taxonomy, isoenzymes 1682
- Lutzomyia carrerae* *carrerae*, man, Bolivia 90
- Lutzomyia chagasi*, *Leishmania braziliensis*, Brazil 451
- Lutzomyia clastrei*, *Leishmania*, Brazil 451
- Lutzomyia cruciata*, morphology, eggs 2669
- Lutzomyia davisi*
 Brazil 88
Leishmania mexicana, infection 88
- Lutzomyia diabolica*
Leishmania mexicana
 infection 1689
 transmission 2670
 morphology, eggs 2669
- Lutzomyia firmatoi*, Brazil 93
- Lutzomyia fischeri*
 biology, behaviour 96
 Brazil 88, 93
 hosts, Brazil 96
Leishmania mexicana, infection 88
- Lutzomyia flaviscutellata*
 Brazil 88-89
Leishmania mexicana 89, 2371
 infection 88
 urban areas, Brazil 1686, 2371
- Lutzomyia guatemalensis*
 forests, Guatemala 702
 taxonomy, new species 702
- Lutzomyia hirsuta*
 biology, behaviour 96
 Brazil 88
 hosts, Brazil 96
Leishmania mexicana, infection 88
- Lutzomyia intermedia*
 biology
 behaviour 93
 development 95
 Brazil 93
Leishmania, infection 2363
 rearing techniques 95, 2671
- Lutzomyia killenki*
 rain forests, Venezuela 930
 taxonomy, new species 930
- Lutzomyia lanei*, Brazil 93
- Lutzomyia llanosmartinsi*
Leishmania braziliensis 90
 man, Bolivia 90
- Lutzomyia longipalpis*
 Alagoas virus, transmission 2370
 biology, development 95
 Bolivia 81
 Brazil 93
 Colombia 2370
Leishmania
 infection 1679, 2363
 isolation 2366
- Leishmania donovani*, infection 2988
- Leishmania major*, transmission 936
 rearing techniques 95, 2671
 taxonomy, isoenzymes 81
- Lutzomyia longispina*
 Brazil 88
Leishmania mexicana, infection 88
- Lutzomyia migonei*
 biology, behaviour 93
 Brazil 93
- Lutzomyia monticola*
 biology, behaviour 96
 Brazil 93
 hosts, Brazil 96
- Lutzomyia olmeca nociva*
Leishmania mexicana 1686, 2371
 urban areas, Brazil 1686, 2371
- Lutzomyia olmeca reducta*
 rain forests, Venezuela 930
 taxonomy, new subspecies 930
- Lutzomyia pelloni*, Brazil 93
- Lutzomyia peresi*
 Brazil 87
 taxonomy 87, 94
- Lutzomyia pinottii*, Trypanosomatidae 451
- Lutzomyia pusilla*
 Brazil 94
 taxonomy, new species 94
- Lutzomyia schreiberi*, Brazil 93
- Lutzomyia shannoni*
 biology, behaviour 96
 hosts, Brazil 96
Leishmania mexicana
 infection 1689
 transmission 2670
 morphology, eggs 2669
- Lutzomyia squamiventris maripaensis*
Leishmania braziliensis
 Brazil 451
 transmission 451
- Lutzomyia squamiventris* series
 distribution, Brazil 92
 taxonomy, keys 92
- Lutzomyia squamiventris squamiventris*,
Leishmania braziliensis, Brazil 451
- Lutzomyia trapidoi*, rearing techniques 700
- Lutzomyia umbratilis*
 ecology, phenology 80
Leishmania braziliensis
 Brazil 451
 transmission 80
 man, French Guiana 80
- Lutzomyia vexator*
 morphology, eggs 2669
Plasmodium mexicanum, transmission 2674
- Sceloporus* 2674
Schellackia, transmission 1355
- Lutzomyia walkeri* group, taxonomy 91
- Lutzomyia wellcomei*, *Leishmania braziliensis* 89
- Lutzomyia whitmani*
 Brazil 89, 93
 dogs, Brazil 2362
Leishmania braziliensis 89
 Brazil 451
 infection 2362
- Lutzomyia williamsi*
 Brazil 91
 taxonomy 91
- Lutzomyia ypsiloniletrix*
 Guatemala 1690
Leishmania mexicana 1690
- Lutzomyia youngi*
 America 1687
Leishmania braziliensis, transmission 1687

- Lutzomyia youngi** cont.
 taxonomy, new species 1687
- Lutzomyia yucumensis**
 Bolivia 1682
 Leishmania braziliensis 90
 man, Bolivia 90
 taxonomy, isoenzymes 1682
- Lutzomyia yuilli**
 Brazil 88-89
 Leishmania mexicana, infection 88
- Lychas**
 Australia 1257
 man, stings 1257
- Lycosa**, man, bites 1493
- Lyme disease** (*see also Borrelia burgdorferi*)
- Lymnaea**, predators 1151
- Lymnaea truncatula**, predators 3080
- Lynxacarus radovskyi** (*see Felistrophorus radovskyi*)
- Lyriotheleis cleis**
 phytotelmata, Indonesia 1054
 prey, insects 1054
- Lyttia nevai**, taxonomy, nomenclature 2756
- Macaca fascicularis**, *Porocephalus* 1900
- Macaca mulatta**
 abamectin, absorption 2857
 Pedicinus eurygaster, skin diseases 1585
- Macaca nemestrina**, *Pneumonyssus simicola*, respiratory diseases 1858, 2198
- Macrocheles muscaedomesticae**
 behaviour, predation 1477
 ecology
 environmental factors 713
 seasonal abundance 1785
 spatial distribution 2902
 poultry droppings 2902, 3034
 Massachusetts 1785
 Texas 713
 prey 2902
 Musca domestica 713, 1477, 3034
- Macrocheles nataliae**, *Clethrionomys glareolus*, Poland 3204
- Macrocheles pergaber**, histochemistry, glands, secretions 1011
- Macrocheles schaeferi**
 grasslands, USA 1873
 prey, arthropods 1873
 taxonomy, new species 1873
- Macrochelidae**
 distribution, Puerto Rico 3202
 livestock housing, Czechoslovakia 544
- Maculinirmus granatensis**
 Acanthis cannabina, Spain 596
 taxonomy, new species 596
- Madagascar**
 Aedes albopictus 640, 927
 Anopheles 2970
 aquatic organisms, checklists 1055
 Scarabaeidae 2166
- Maggot therapy**, man, reviews 2134
- Magicicada septendecim**
 man, injuries 888
 Ohio 888
- Maguari virus**, man, Florida 557
- Maize fields**, *Simulium*, Mexico 942
- Maize oil**, with *Bacillus thuringiensis*, against, *Anopheles* 2614
- Malamar** (*see Malathion*)
- Malaoxon** (diethyl [(dimethoxyphosphinyl)thio]butanedioate)
 resistance, *Culex tritaeniorhynchus* 2647
- Malaria** (*see also Plasmodium* spp.)
 control, Agency for International Development 2828
- Malathion** (diethyl [(dimethoxyphosphinothioyl)thio]butanedioate)
 against
 Aedes aegypti 41, 1102, 1625
 Anopheles culicifacies 70
 Cimex hemipterus 22
 Ctenocephalides felis 2943
 Culicidae 2552
 Dermanyssus gallinae 2204
 Diptera 2742
 ectoparasites 200
 Ixodidae 1200
- against cont.
 Mallophaga 2007
 Pedicinus eurygaster 1585
 Pediculus capitis 1586
 Phthiraptera 2006
 Psoroptes 1849
 Pthirus pubis 1072
 Sarcopetes scabiei 203, 1472, 3186
- Clarias batrachus**, toxicology 386
- Culex pipiens**, resistance management 3285
- degradation, Cyanobacteria 1965
- effects
 Barbus ticto 1951
 Clarias batrachus 387
 Cyanobacteria 1533
 Cyprinus carpio 1276-1277
 Daphnia magna 857
 fowls 2007
 man 3303
 Paramecium aurelia 1952
 Tilapia mossambica 1278
- impurities 216
- mutagenesis, *Escherichia coli* 1959
- mutagenicity
 Drosophila melanogaster 953, 3054
 mice 1044
- penetration, *Triatoma infestans* 2324
plus lindane, against, Crustacea 3306
- poisoning, man 2481
- resistance
 Aedes aegypti 1655
 genetics 2551
 Anopheles 2588
 Anopheles quadrimaculatus 412
 Anopheles stephensi 246
 Blattella germanica 593
 Culex pipiens 2060
 Culex tarsalis 247, 2550
- susceptibility
 Anopheles 1609
 Anopheles pulcherrimus 36
 Anopheles superpictus 624
 Culicidae 923
- toxicity
 Amblyomma maculatum 3148
 aquatic organisms 1947
 Boophilus microplus 995
 Culex 681
 Culicidae 2592
 Hyalomma anatomicum 536
water, contamination, removal 380
with gamma radiation, effects, *Culex pipiens* 1354
- Malawi**
 Glossina 1120, 1122
 parasitoids 101
- Ixodidae** 1213
- Ornithodoros moubata** 3168
- Sergentomyia** 2082
- trachoma, epidemiology 1264
- Malaya genurostris**, biochemistry, enzymes 1658
- Malaysia**
 Aedes albopictus 640, 1642, 2587
 Anopheles 432, 2963
 Calliphoridae 1397
 Chrysomya bezziana 1728
 Culex quinquefasciatus 922
 Culicidae 2576
 Dermacentor steini 1805
 Diptera 152, 954
 Epinephelus malabaricus, parasites 1908
 farm workers, pesticides, poisoning 2486
 Lukoschuscoptes asiaticus 2215
 Mansonia 899
 rivers, aquatic organisms 1332
 Toxorhynchites 1626
- Maldison** (*see Malathion*)
- Mali**
 livestock, ectoparasites 3215
 Simulium damnosum complex 264
 Simulium sirbanum 2682
- Mallophaga**
 aviary birds, reviews 1303
 biology 402
 birds, Hungary 402
 cattle, reviews 1304
- Mallophaga** cont.
 livestock, reviews 1306
 mammals, Brazil 1558
 Procavia capensis, South Africa 2310
 red deer, skin diseases 1989
- Mammals**
 arthropod parasites, South Africa 870
 Culicidae, Argentina 1650
 insecticides, effects 1124
- Man**
 Acrididae, allergies 2754
 Aedes, Western Samoa 2028, 2342
 Aedes aegypti, Trinidad and Tobago 1102
 Aedes taeniorhynchus, Florida 1350
 Alagoas virus, Colombia 2370
- Anopheles**
 China 55
 Egypt 1627
 Gambia 1668
 India 2030
 Malaysia 2963
 Papua New Guinea 1645
 Thailand 2574
- Anopheles balabacensis**, Malaysia 432
- Anopheles darlingi**, Brazil 2597
- Anopheles farauti**, Papua New Guinea 659, 1615
- Anopheles lesteri**, China 1339
- Anopheles sinensis**, China 436, 440
- Apis mellifera**
 hypersensitivity 160, 976, 1177,
 2158, 2167, 2750-2751, 3093
 treatment 3249
 stings 505-506, 510, 1184
 treatment 1922
- Araneae**
 bites 1492-1493, 1892
 envenomation 3217
- arboviruses**
 Florida 557
 South Africa 366
- Archaeopsylla erinacei**, bites 889
- Argas japonicus**, skin diseases 533
- Argasidiae**, Zimbabwe 3155
- Armillifer**, pentastomiasis 2824
- arthropods**
 Australia, reviews 1257
 bites 844, 1926
 books 577
 Italy 871
 poisoning 549
 skin diseases 3250
 war 1920
- Blattaria**, allergies 1063, 2508
- Borrelia**, Sweden 1461
- Borrelia burgdorferi**
 Belgium 1914
 ELISA 2829
 France 1819
 German Federal Republic 794
 reviews 1918
 Sweden 2190
 Switzerland 1916
 symptoms 2833
 USA 1467
- Borrelia recurrentis**, Ethiopia 1587
- Brachypelma smithi**, eye diseases 2239
- Buthus tamulus**, stings 1491
- California serogroup viruses**, China 367
- Calliphora placa**, myiasis 1163
- Calliphoridae**, maggot therapy 2134
- Calyptra**, Thailand 1426
- Caraparu virus**, Brazil 559
- carbaryl, metabolism 2480
- Cheyletiella blakei**, skin diseases 1861, 1885, 2200
- Chironomidae**, hypersensitivity 3014
- Chlamydias trachomatitis**
 assessment 2454
 Ethiopia 967
 Malawi 1264
- Chrysopidae**, bites 163
- Cladotanytarsus lewisi**, allergies 966
- Culex**, India 681
- Culex annulirostris**, Australia 441
- Culex antennatus**, Egypt 655
- Culex pipiens**
 China 54
 Israel 1100

Man cont.

- Culex quinquefasciatus*, South Africa 2348
Culex univittatus, South Africa 2345
Culicidae
 AIDS 372
 Australia 2628
 bites 1628
 Dominican Republic 414
 India 235
 Queensland 2609
 Sweden 1101
 Trinidad and Tobago 41
 USSR 625, 628
Culicoides
 Surinam 693
 UK 2361
Culicoides variipennis, California 446
Culiceta inornata, Manitoba 2563
Cuterebra, myiasis 110, 946
 DDT, residues 385
Demodex, skin diseases 1854
Demodex folliculorum, skin diseases 349
 dengue
 Cuba 369-370
 Singapore 365
 dengue virus
 Argentina 558
 pathogenesis 840
 reviews 1509
 South Africa 2451
Dermanyssus gallinae, skin diseases 2227
Dermanyssus hirundinis, skin diseases 800
Dermatobia hominis, myiasis 2699
Dermatophagoides
 allergies 353, 360, 1021, 1253,
 1862, 1865, 2811, 3185, 3190
 diagnosis 1863, 1923
 female genital diseases 2228
 skin diseases 1016
Dermatophagoides farinae
 allergies 351, 802, 811, 2218, 3197
 skin diseases 1015
Dermatophagoides pteronyssinus
 allergies 335-336, 545, 801, 803,
 807, 1019-1020, 1250, 1474,
 1488, 1859, 1864, 1868, 1877,
 2221, 2804, 3175, 3187, 3196
 diagnosis 1927
 skin diseases 3184
 diazinon, poisoning 3300
 diethyltoluamide
 effects 1285
 toxicity 2873-2874
 dimethoate, poisoning 3307
 Diptera, myiasis 407, 951, 2124, 2704
Dolichovespula maculata, allergies 1176
Drosophila melanogaster, allergies 1742
 dwellings, delusory parasitosis 1503
 eastern equine encephalitis virus, New Jersey 1912
 ectoparasites, skin diseases 598, 844, 1510
 effects, aldicarb 1282
Ehrlichia canis, USA 1002
 eye diseases, books 1978
 fenitrothion, poisoning 859
 fenthion, poisoning 2289
 filariids
 books 1976
 Nigeria 3240
Formicidae, hypersensitivity 1437, 2410
Glossina
 Burkina Faso 461
 Congo 1716
 Ivory Coast 2097
Glossina palpalis
 Congo 266
 Ivory Coast 1382
Haemaphysalis campanulata, bites 181
Hermetia illucens, myiasis 2721
 house dust mites
 allergies 334, 356, 810, 1487, 1489,
 2222
 reviews 2219

Man cont.

- human immunodeficiency virus, Florida 557
Hyalomma, South Africa 1197
Hylesia urticans, skin diseases 1779
Hymenoptera
 hypersensitivity 300-301, 306, 754,
 984, 1172, 1438, 1769, 2156,
 2407, 2458-2459, 3094, 3252
 diagnosis 1770, 2461, 2469
 immunotherapy 2153-2154,
 2157, 2749
 skin tests 3100
 stings 159, 755, 1790
 immune response 2460
 protection 2409
Hypoderma, myiasis 108
 insecticides, poisoning 2290
 insects
 allergies 1511, 2468
 hypersensitivity 2467
 books 2490
 treatment 2462
 urticaria 1921
Ixodes cornuatus, tick paralysis 2780
Ixodes dammini, Massachusetts 1798
Ixodes holocyclus, hypersensitivity 1452
Ixodes persulcatus, Japan 532
Ixodidae, bites 310, 1454, 2781
 La Crosse virus, West Virginia 2074
Lagenidium giganteum, pathogenicity 1267
Latrodectus, bites 828
Leishmania donovani, India 2675
Leishmania major, French Guiana 2369
 lindane, toxicity 2287
Linguatula serrata, France 3233
Loxosceles, envenomation 1890, 2817
Loxosceles reclusa
 bites 817, 831, 3223
 treatment 1898
Lucilia sericata, myiasis 735
Lutzomyia 95
 Bolivia 90
 Brazil 93, 96
 French Guiana 260
Lutzomyia umbratilis, French Guiana 80
Lutzomyia whitmani, Brazil 89
Magicicada septendecim, injuries 888
 malathion
 effects 3303
 poisoning 2481
Mansonella ozzardi, Argentina 2655
 milk, insecticides, residues 1961
 mites, poultry diseases 812
 mosquito-borne diseases
 Bangladesh 1640
 Fennoscandia 2355
 mucocutaneous lymph node syndrome 1506
Musca domestica
 hypersensitivity 3022
 myiasis 1420
Myrmecea pilosula, stings 1178
Nematoda, Malaysia 954
Neotrombicula autumnalis, skin diseases 191
Noctuidae
 Algeria 982
 eye diseases 2165
Odontacarus australiensis, bites 2226
Oestrus ovis, myiasis 3004
 Omsk haemorrhagic fever, USSR 1047
Oncocerca volvulus, Sudan 2683
 organochlorine pesticides, effects 2856
 organophosphate insecticides, poisoning 1274
 organophosphorus compounds, poisoning, treatment 3308
 organophosphorus pesticides, toxicity 219
Ornithodoros moubata
 immune response 529
 Namibia 528
Ornithomyssus bacoti, skin diseases 352
Paederus, skin diseases 1784
Paederus australis, skin diseases 3113

Man cont.

- Parasarcophaga crassipalpis*, myiasis 2116
Pediculus, eye diseases 2009
Pediculus capitis
 Libya 2935
 Nigeria 2519
 skin diseases 15, 227, 1071, 1586,
 2010, 2518
Pentastomida
 Korea Republic 362
 pentastomiasis 2243
 pesticide residues, Florida 3321
 pesticides
 carcinogenicity 3298
 health hazards 2491
 poisoning 2486, 3301
Phlebotominae, Guatemala 1690
Phlebotomus
 China 696
 Egypt 1684
 India 932
Phormia regina, myiasis 1736
Pioneer damastesalis, Australasia 3090
Plasmodium 2975
 Brazil 1263
 South Africa 2976
Pogonomyrmex badius, stings 973
 poisoning
 insecticides 1948
 pesticides 1949-1950
Polistes, hypersensitivity, immunotherapy 2155
Pthirus pubis
 eye diseases 1072
 skin diseases 226, 2934
Retrovirus, epidemiology 364
Rickettsia, detection 1266
Rickettsia conorii, France 556, 1820
Rickettsia rickettsii, New York 1840,
 1917
 Rift Valley fever virus
 Botswana 368
 Mauritania 3241
 Nigeria 1265
 Zambia 3246
 Ross River virus, Papua New Guinea 371
 St. Louis encephalitis, Texas 918
 St. Louis encephalitis virus, Colorado 560
 sandfly fever (Naples) virus
 Egypt 562
 Yugoslavia 1109
Sarcopeltis scabiei
 Caribbean 1879
 skin diseases 196, 203, 207-208,
 355, 1017-1018, 1480, 2798,
 3186, 3188
Scorpiones, stings 550, 818-819
Simuliidae, bites 456
Simulium
 Guatemala 261
 Liberia 2677, 2993
 Mexico 942
Simulium damnosum complex, Sierra Leone 1700
Simulium ochraceum, Guatemala 2991
Simulium tuberosum complex, USA 2991
Simulium yahense, Liberia 709
Solenopsis invicta
 hypersensitivity 161, 1187
 stings 3096
 storage mites, allergies 347-348, 354,
 358, 1481, 1866, 2220, 2445
Tegenaria agrestis, bites 832, 835,
 2818
Thelyphassa lineata, skin diseases 1791
 tickborne diseases
 epidemiology 772
 Fennoscandia 2426
 reviews 1001, 3137-3138
 tickborne encephalitis, diagnosis 1919
 tickborne encephalitis virus
 Czechoslovakia 1205
 Europe 1541
Tokunagayusurika akamusi, allergies 722
 trachoma
 assessment 2455

Man cont.

- trachoma *cont.*
 - Tanzania 1755
 - Triatoma*, hypersensitivity 2941
 - Triatoma dimidiata*, blood-meals 1595
 - Triatoma infestans*, Argentina 1589, 1591
 - Triatoma protracta*, hypersensitivity 600, 2524
 - Triatominae*, hypersensitivity 2523
 - Vespa*, stings 2159
 - Vespidae*, hypersensitivity 1772-1773, 3095
 - Vespa*
 - hypersensitivity 2747, 2757
 - stings 507, 1776
 - viruses, books 2878
 - Wuchereria bancrofti*, Nigeria 2977
 - yellow fever virus, Nigeria 926
 - Yersinia enterocolitica*, Pennsylvania 1028
- Mangrove forests**
 - Glossina*, Congo 465
 - Glossina frezili*, Central Africa 103
- Mansonella ozzardi**
 - man, Argentina 2655
 - vectors, Culicidae, host parasite relationships 443
- Mansonella perstans**
 - man, Nigeria 3240
 - vectors, Culicidae, host parasite relationships 443
- Mansonella streptocerca**, vectors, Culicidae, host parasite relationships 443
- Mansonia**
 - Argentina 1650
 - blood-meals 1650
 - coconut plantations, India 915
 - control 1976
 - microbial pesticides 915, 1085
 - filariids 1976
 - identification, audiovisual aids 1613, 2344
 - man, India 235
- Mansonia annulifera**
 - aquatic plants, substrates 678
 - ecology 1369
 - India 1369
 - rearing techniques 678
- Mansonia bonae**
 - aquatic plants, substrates 899
 - swamps, Malaysia 899
- Mansonia dives**
 - aquatic plants, substrates 899
 - swamps, Malaysia 899
- Mansonia indiana**
 - aquatic plants, substrates 678
 - rearing techniques 678
- Mansonia titillans**
 - Argentina 1650
 - behaviour, oviposition 1079
 - blood-meals 1650
 - habitats, Brazil 75
 - Pistia stratiotes*, substrates 1079
- Mansonia uniformis**
 - aquatic plants, substrates 678
 - ecology 1369
 - entomopathogenic protozoa 2576
 - India 1369
 - Malaysia 2576
 - parasitic mites 1369
 - rearing techniques 678
- Mantidae**, *Gordius* 3119
- Marmota himalayana**, *Hirstionyssus*, China 3179
- Marshes**, *Coquillettidia perturbans*, Florida 2558
- Marsupials**, ectoparasites, Brazil 1558
- Masaridae**, Australia, catalogues 2882
- Mastitis**, vectors, *Hydrotaea irritans*, transmission 125
- Mastoparan**, guanosine triphosphate, binding 3108
- Matteuccia struthiopteris**, *Hybomitra montana*, Japan 736
- Mauritania**
 - Ixodoidea 781
 - Rift Valley fever virus, epidemiology 3241

Mauritius

- Aedes albopictus* 640, 927, 2051
- aquatic organisms, checklists 1055
- Maxforce** (*see Hydramethylnon*)
- Mayaro virus**
 - Aedes albopictus*, cell lines, infection 2072
 - epidemiology, Brazil 213
- Mebendazole**, with trichlorfon, against, *Gasterophilus* 1719
- Medical entomology**, books 577
- Mediterranean**, *Pollenia* 1394
- Megabothris asio**, *Parascalops breweri*, USA 3193
- Megabothris turbidus**
 - ecology 25
 - small mammals, USSR 25
- Megachile rotundata**, biochemistry, sterols 3132
- Megapodiella parkeri**
 - Leipoa ocellata*, Australia 1582
 - taxonomy, new species 1582
- Megascolia flavifrons**, venoms, characterization 1444
- Megaselia aurea**, behaviour, mating behaviour 1396
- Megaselia scalaris**
 - man, myiasis 951
 - morphology, reproductive system, females 2403
 - Pakistan 951
- Meginnia**, game birds, South Africa 1308
- Meginnia columbae**, pigeons, Belgium 586
- Meginnia crinita**, biology, reviews 3207
- Meginnia cubitalis**, biology, reviews 3207
- Meginnia dipeltata**, biology, reviews 3207
- Meginnia ginglymura**
 - biology, reviews 3207
 - fowls, Cuba 1248
- Meginnia hologastera**, biology, reviews 3207
- Meginnia ortari**, biology, reviews 3207
- Melamine**, mass spectrometry 381
- Melanconion**
 - Brazil 559
 - Caraparu virus 559
- Melia azedarach**
 - extracts
 - salannin, isolation 3334
 - Triatoma infestans* 2522
- Melia volkensii**, extracts, *Aedes aegypti* 1353
- Melinda**, taxonomy, keys 1540
- Melogale moschata subaurantiaca**, *Dermacentor taiwanensis*, Taiwan 789
- Melurus ursinus ursinus**, against, *Boophilus microplus* 1822
- Menacanthus eurysternus**, birds, Belgium 586
- Menacanthus stramineus**
 - fowls
 - Cuba 1248
 - liveweight gains 882
 - Nigeria 401
 - poultry, skin diseases 401
- Menidia beryllina**
 - against, Culicidae 2622
 - Nerocila acuminata*, Gulf of Mexico 2244
- Menopon gallinae**
 - control, insecticides 2007
 - fowls
 - Cuba 1248
 - skin diseases 2007
- Menopon spiniferum** (*see Menacanthus eurysternus*)
- Meoneura**, taxonomy, keys 288
- Meoneura amurensis**
 - carrion, USSR 288
 - taxonomy, new species 288
- Mercuric oxide**, against, *Pthirus pubis* 1072
- Mercury**, effects, *Boophilus microplus* 1465
- Meringis agilis**, taxonomy 2536
- Meringis altipectin**, taxonomy 2536
- Meringis arachis**, taxonomy 2536
- Meringis bilsingi**
 - rodents, New Mexico 585
 - taxonomy 2536

Meringis californicus, taxonomy 2536

- Meringis cummingi**, taxonomy 2536
- Meringis deserti**, taxonomy 2536
- Meringis dipodomys**, taxonomy 2536
- Meringis disparalis**, taxonomy 2536
- Meringis facilis**, taxonomy 2536
- Meringis hubbardi**, taxonomy 2536
- Meringis jamesoni**, taxonomy 2536
- Meringis nidi**, taxonomy 2536
- Meringis parkeri**, taxonomy 2536
- Meringis rectus**, taxonomy 2536
- Meringis shannoni**, taxonomy 2536
- Meringis vitabilis**, taxonomy 2536
- Merluccius productus**, *Euchaeta elongata*, Pacific Ocean 1501
- Mermithidae**, hosts, insects 3274
- Mesembriomys gouldii**, *Myocoptes queenslandicus*, Queensland 3180
- Mesocyclops**, villages, Burkina Faso 1910
- Mesocyclops albicans**, entomopathogenic protozoa 1647
- Mesocyclops aspericornis**, against, Culicidae 2545
- Mesocyclops kieferi**, *Dracunculus medinensis*, Burkina Faso 3237
- Mesostigmata**
 - coasts, UK 1484
 - farms, Finland 347
 - predators 1873
 - small mammals, Czechoslovakia 350
- Mesostoma appinum**
 - Australia 1083
 - ecology, population ecology 1083
 - prey, Culicidae 1083
- Mesostoma timbunke**
 - ecology, population ecology 1083
 - Papua New Guinea 1083
 - prey, Culicidae 1083
- Mesostoma zariae**
 - Africa 1083
 - ecology, population ecology 1083
 - prey, Culicidae 1083
- Mesovelidae**, Iberian Peninsula, catalogues 2327
- Messor galla**, biochemistry, pheromones 3104
- Metabinuncus asellisci**
 - Aselliscus tricuspidatus*, New Guinea 190
 - taxonomy, new species 190
- Metabinuncus paracoelopos**
 - Paracoelops megalotis*, Vietnam 190
 - taxonomy, new species 190
- Metacide** (*see Parathion-methyl*)
- Metacyclops**, villages, Burkina Faso 1910
- Metacyclops margaretae**
 - Dracunculus medinensis*, Burkina Faso 3237
 - villages, Burkina Faso 1910
- Metallea**, taxonomy, keys 1540
- Metallea papua**
 - Papua New Guinea 1540
 - taxonomy, new species 1540
- Metapenaeus monoceros**, insecticides, effects 863
- Metarhizium anisopliae**
 - enzymes, characterization 1525
 - hosts
 - insects, pathogenicity 2266
 - Toxorhynchites amboinensis*, pathogenicity 669
 - toxins
 - isolation, liquid chromatography 2840
 - toxicity, insects 1031
- Methamidophos** (*O,S-dimethyl phosphoramidothioate*)
 - effects, fowls 384
- Methanol**, toxicity, *Musca domestica* 1758
- Methomyl** (methyl *N*-[[(methylamino)carbonyl]oxy]ethanimidothioate)
 - clothing, removal, detergents 1283
 - resistance, *Fannia canicularis* 1751
 - toxicity
 - Culex pipiens* 2050
 - Musca domestica* 2740
- Methoprene** ((2*E*,4*E*)-1-methylethyl 11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate)
 - against
 - Anopheles sundaeicus* 667

- against *cont.*
Culex pipiens 666
Oropsylla fotsu 612
Siphonaptera 229
effects
Aedes aegypti 1080, 2633
Cimex lectularius 2021
Ctenocephalides felis 1606
Nasonia vitripennis 726
susceptibility, *Musca domestica* 116
toxicity, *Haematobia irritans* 2730
 (S) -, effects, *Glossina morsitans* 944
1-(8-Methoxy-4,8-dimethylonyl)-4-(1-methylethyl)benzene, effects, *Ctenocephalides felis* 1606
Metoxychlor (1,1'-(2,2,2-trichloroethylidene)bis[4-methoxybenzene])
against
Haematobia irritans 281
Simulium arcticum 459
effects, *Acronycta lycoreas* 860
1-(8-Methoxy-4,8-dimethylonyl)-4-(1-methylethyl)benzene, against, *Solenopsis invicta* 3111
Methyl-demeton-S (see Demeton-S-methyl)
Methyl parathion (see Parathion-methyl)
Methyl-parathion (see Parathion-methyl)
Methyl-pentane, attractants, *Blaberus craniifer* 1324
Methylallosamidin, characterization 1968
9-Methylanthracene, phototoxicity, Culicidae 2567
(E)-1-Methylethyl-2-(8-ethoxy-4,8-dimethyl-3-nonenyl)-2-methylcyclopropane-carboxylate, effects, *Xenopsylla cheopis* 406
6-Methylmercaptopurine riboside, resistance, *Aedes albopictus* cells 64
2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine
against, *Culex quinquefasciatus* 670, 916
sterilization, *Glossina morsitans* 944
Metolcarb (3-methylphenyl methylcarbamate)
analysis 2280
resistance, *Culex pipiens* 2059
Metriocnemus fuscipes, *Sarracenia purpurea*, Pennsylvania 2985
Metriocnemus knabi
fenitrothion, toxicity 2981
Sarracenia purpurea 2981
Pennsylvania 2985
Mexacarbate (4-(dimethylamino)-3,5-dimethylphenyl methylcarbamate)
toxicity, aquatic insects 2995
Mexico
Aedes aegypti 690, 1655
Aleochara 3114
Anopheles albimanus 1633, 1638
Centruroides 2233
Chrysomya 2715
Cochliomyia 2112
Cochliomyia hominivorax 126, 286, 3032
Copris laeviceps 2149
Corethrella metcalfi 1752
Demodex canis 2437
Dermacentor parumapertus 1837
domestic animals, Diptera 2704
Euschoengastia 1875
geographical distribution, nomenclature 1551
Meringis 2536
Onchocerca volvulus, epidemiology 2676
Raillietia caprae 346
Rhytidelasma 1483
Rhytidelasma bicostata 3195
Scarabaeinae 3087
Simulium 942
Toxorhynchites theobaldi 2629
Triatoma 1588
Trypanosoma cruzi, epidemiology 1590, 2014
MGK Repellent 326 (see Dipropyl 2,5-pyridinedicarboxylate)
Mice
aldrin, metabolism 1955
Mice cont.
Androctonus australis, toxins, toxicity 1258
Bacillus thuringiensis, toxicology 217
bacterial insecticides, effects 78
chlordecone, effects 2865
Culex pipiens 38
ectoparasites 1560
equipment 1302
endosulfan, effects 2291
Eutrombicula alfreddugesi, immune response 2442
insect repellents, effects 572
Lagenidium giganteum, pathogenicity 1267
lindane, effects 2288
malathion, mutagenicity 1044
monocrotophos, effects 3323
Mycoptes musculinus 202
skin diseases 537
organochlorine insecticides, effects 2483
Ornithomyssus bacoti, skin diseases 352
vamidothion, metabolism 382
Michaelopus tridens
Reithrodontomys megalotis, California 3182
taxonomy, new species 3182
Micrococcus, *Bovicola ovis*, nutrition 1325
Microculex, habitats, Brazil 75
Microcyclops, villages, Burkina Faso 1910
Microcyclops minutus, *Coelomomyces indicus* 2044
Microlichus avus, birds, Italy 164
Micromonospora, metabolites, toxicity, *Aedes aegypti* 2263
Microlyspora, metabolites, toxicity, *Aedes aegypti* 2263
Microsporidium aedis, hosts, Culicidae 2576
Microtityus dominicanensis
Dominican Republic 1894
taxonomy, new species 1894
Microtus agrestis
Hyperlaelaps arvalis, USSR 193
Ixodes, Switzerland 1793
Microtus arvalis
Laelaps hilaris, USSR 193
Siphonaptera, USSR 25
Microtus chrotorrhinus, ectoparasites, New York 3194
Microtus montanus, *Dermacentor andersoni*, Idaho 312
Microtus ochrogaster (see *Pitymys ochrogaster*)
Microtus oeconomus, *Hyperlaelaps arvalis*, USSR 193
Microtus pennsylvanicus
Ixodes dammini, Rhode Island 2766
Plagiochirus noblei 1084
Microtus pinetorum (see *Pitymys pinetorum*)
Middelburg virus, vectors, *Aedes juppi*, South Africa 2038
Migration
Aedes 649
Aedes sollicitans 660
Aedes taeniorhynchus 648
Anopheles farauti 1099
Blatta orientalis 394
Cochliomyia hominivorax 3032
Culicoides brevitarsis 1372
Haematobia irritans 118, 1404
insects, islands 1545
Ixodidae 1832
Muscidiifurax zaraptor 3103
Ophyra aeuenescens 481
Periplaneta americana 2927
Simulium sirbanum 2682
Tabanus abactor 715
Milbemycin, mode of action 1943
Mineral oils
insecticides, synergism 2740-2741
toxicity, *Musca domestica* 1758
Miniopterus schreibersi, *Ixodes simplex*, Zimbabwe 3156
Mirex (1,1a,2,2,3,3a,4,4,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene) mutagenesis, *Escherichia coli* 1959
Mites
control, acaricides 2
Mites cont.
domestic animals, India 2
mammals, Brazil 1558
Mobam (see Benzo[b]thien-4-yl methylcarbamate)
Mochlonyx cinctipes
biology, energy reserves 1657
Connecticut 1657
Models
Amblyomma americanum, simulation models 1831
dynamic models
behavioural ecology 1982
malaria, transmission 2949
pathogens, vertical transmission 2834
ecology, books 3349
linear models, *Glossina*, population ecology 2100
mathematical models, heat sums 2495
mosquito-borne diseases, epidemiology 1659
parasitoids, host parasite relationships 1984
simulation models
geographical distribution, arthropods 2500
insect pests, control 2278
trypanosomiasis, control, economics 2301
tickborne diseases, epidemiology 3160
Moina brachiata, malathion plus lindane, effects 3306
Moina micrura, malathion plus lindane, effects 3306
Molinate, effects, *Romanomermis culicivorus* 1661
Molinema dessetae, *Toxorhynchites amboinensis*, infection 42
Molluscites, hosts, Tabanidae, USA 2141
Monanema martini, intermediate hosts, Ixodidae, infection 2195
Mongolia, *Dermacentor nuttalli* 2176
Montezia benedeni, epidemiology, German Federal Republic 2450
Moniliformis moniliformis, intermediate hosts, insects, infection 2405
Monilinia, metabolites, toxicity, *Aedes aegypti* 2263
Monobia quadridens, *Acholeplasma* 2269
Monocrotophos ((E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenyl phosphate)
effects
Colinus virginianus 2869
laboratory animals 3323
Monocoecestus, intermediate hosts, *Xenilus itascensis* 2213
Monomorium, venoms, characterization 3117
Monomorium minimum
behaviour, aggression 1778
Texas 1778
Monomorium pharaonis, control, insecticides 2151
Monopsyllus forcitus
Sciuridae, China 615
taxonomy, new species 615
Monopsyllus hamatus
Tamias sibiricus, China 615
taxonomy, new species 615
Monopsyllus indages (see *Ceratophyllus indages*)
Monopsyllus sciurorum (see *Ceratophyllus sciurorum*)
Monosulfiram (see *Sulfiram*)
Montserrat, *Aedes aegypti* 1655
Moraxella bovis
vectors
Diptera, transmission 2146
Haematobia irritans, transmission 1153
Musca autumnalis
mechanical transmission 3039
Tennessee 132
Moraxella ovis, vectors, Muscidae, mechanical transmission 3085
Morellia
cattle, Europe 1757
control, insecticides 1757

- Morellia hortorum**
control, insecticides 2743
furbearing animals, USSR 2743
- Morganella morganii**, vectors, Diptera, transmission 1161
- Morocco**
dogs, parasites 2309
Hyalomma 180
Ornithodoros maritimus 1204
Pollenia luteovillosa 1394
- Morphology**
Anopheles dirus, eggs 924
Anoplura, eggs, chorion 1073
Blaberus craniifer, antennae 2002
Blattella germanica, nervous system 1579
Brachycera, cuticle 1754
Calliphora croceipalpis, larvae 474
Calliphora vicina, campaniform sensilla 718-719
Calliphoridae, larvae 1417
Calyptera, mouthparts 1426
Chrysops, larvae 1167
Corethrella, mouthparts 1735
Corethrella metcalfi, sensilla 1752
Culex, larvae 1086
Culicidae
 mouthparts 2962
 larvae 1652
Culicoides
 mouthparts 2986
 seasonal variation 691
Dermacentor, genital apron 172
Gasterophilus, larvae 1386
Hermetia illucens, larvae 1158
Hirsutiella zachvatkini, midgut 796
Hydrotaea irritans, sensilla 1744
Hylesia urticans, urticating apparatus 1779
- Hymenoptera**
venom apparatus 1430
wings, folding 3133
- Insects**
antennae, reviews 2302
brain, reviews 2302
invertebrates, appendages, bristles 1051
Ixodes persulcatus, sexual dimorphism 174
Lepidoptera, urticating hairs 975
Leptotrombidium fletcheri, reproductive system 1878
Lutzomyia, eggs 2669
Megaselia scalaris, reproductive system, females 2403
Musca domestica, variation 2123
Notoedres cati 1857
Omphagous, sexual dimorphism 985
Oropsylla montana, Wagner's organ 2538
Parasarcophaga albiceps, digestive system 3074
Pattonella intermutans, larvae 964
Phlebotominae, chaetotaxy 2372
Protocalliphora azurea, eggs 957
Psoroptes, mouthparts 2208
Pthirus pubis, scanning electron microscopy 2933
Pulicoidea, males, genitalia 890
Rhodnius prolixus, neurosecretory cells 603
Scarabaeoidea, sensilla 158
Siphonaptera 1327
 tarsi 609
 teratogenesis 611
Sirthenea, genitalia 18
Tabanus, larvae 1147
Thaumetopoea processionea, urticating apparatus 304
Toxorhynchites rutilus, sensilla 1078
Trombiculidae, mouthparts 3174
- Mosquito-borne diseases**
Asia, bibliographies 576, 1535
epidemiology, models 1659
Fennoscandia, reviews 2355
- Mosquito nets**
against
 Anopheles balabacensis 432
 Culicidae 2066
Anopheles sinensis 440
man, Culicidae 1668
- Moultling hormones**, Ixodidae 308
- Mountains**, streams, aquatic organisms 1055
- Mozambique**
Glossina 1120, 1122, 1128
Sergentomyia 2082
- MPMC** (see Xylolcarb)
- MTMC** (see Metolcarb)
- Mucocutaneous lymph node syndrome**
Dermatophagoïdes pteronyssinus, allergens 1488
epidemiology, reviews 1506
- Mud**, *Culicoides*, France 694
- Mugil cephalus**, *Nerocila acuminata*, Gulf of Mexico 2244
- Mugil curema**, *Lercheanicus longiventris*, Venezuela 1500
- Mules** (*Equus caballus* × *E. asinus*)
Calyptera, Thailand 1426
Diptera, India 3012
- Multisetosa sciurotamias**
Sciurotamias davidianus, China 3178
taxonomy, new species 3178
- Multisetosa sylvatici**
Apodemus sylvaticus, China 3178
taxonomy, new species 3178
- Muramyl dipeptide**, treatment, dogs 1853
- Muridae**
Hystrichopsyllinae, Poland 1329
Phlebotomus, India 932
- Murinae**, *Ixodes persulcatus*, USSR 176
- Murine typhus** (see also *Rickettsia typhi*)
- Murray Valley encephalitis virus**
epidemiology, mathematical models 441
genetic variation, Australia 2831
horses 2034
vectors
 Culex annulirostris
 Australia 638
 transmission 441, 689
 Culicidae, transmission 2034
- Mus**, *Dermacentor taiwanensis*, Taiwan 789
- Mus musculus**
Androlaelaps fahrenholzi, China 1479
ectoparasites, Egypt 608
Ixodidae, Tennessee 1832
Siphonaptera, Egypt 2024
- Musca**
cadavers, Hawaii 1412
domestic animals, myiasis 1421
India 1421
insecticide resistance, selection 2850
Parafilaria bovicola, transmission 2390
- Musca autumnalis**
Actinomyces pyogenes, transmission 2114
behaviour, regurgitation 3039
biology, environmental factors 479
cattle
 Czechoslovakia 1749
 Europe 1757
 eye diseases 3039
 France 712
 German Federal Republic 2114
 Israel 3085
 milk yields 1726
 Nebraska 146
 South Dakota 135
 Tennessee 132
 USSR 279
cattle dung 479
control, insecticides 135, 146, 232, 712, 1726, 1757, 1760, 2114
ecology
 phenology 1732
 population ecology 232, 749
 seasonal abundance 1749
entomophilic nematodes 714
horses, German Federal Republic 232, 1760
Iowa 1732
Moraxella bovis 132
 mechanical transmission 3039
Moraxella ovis, mechanical transmission 3085
natural enemies 948
Nebraska 948
pastures
 Nebraska 714
 USA 749
- Musca autumnalis cont.**
physiology
 cuticle 2119
 haemolymph, proteins 2396
sampling 714
Thelazia, prevalence 279
- Musca conducens**
livestock, India 3012
repellents 3012
- Musca crassirostris**
livestock, India 3012
repellents 3012
- Musca domestica**
Agelenopsis aperta, toxins, effects 820
3-alkylthiophenyl alkanesulfonates, toxicity 3296
anatomy 141
Androctonus australis, toxins, toxicity 1258, 2814
animal housing
 German Democratic Republic 489
 German Federal Republic 748
Aujeszky virus, transmission 956
behaviour, foraging behaviour 949
bicycloorthocarboxylates, metabolism 2286
bicyclophosphorus esters, effects 1740
biochemistry
 arylporin 2722
 lipids, microsomes 2720
 lipophorin 2398
 superoxide dismutase, isoenzymes 2708
 vision 2724
biology
 development 277
 reproduction 494
[4-[bis(2-chloroethyl)amino]phenyl]
 acetic acid, sterilization 1739
breeding places, identification 149
cafeterias, Texas 148
carbofuran, derivatives, toxicity 3291
carrión, Hawaii 1548
cattle
 California 1154
 Europe 1757
 France 712, 2005
 Israel 3085
cattle dung, Bulgaria 1390
cattle housing, USSR 716
cattle manure, New York 1782
control
 biological control 472, 1181
 electrocuting traps 148, 3024
 entomophilic nematodes 2111
 growth regulators 152, 501, 1389, 1424, 1753
 insecticides 282, 712, 746, 1273, 1757, 2005, 2743, 3023
 integrated control 487, 716, 747
 trapping 1761
copper, accumulation 149
cyclodiene insecticides, analogues, toxicity 1529
cyromazine, resistance 116
dairies
 California 287
 Nebraska 1181, 3103
 New York 3062
dairy farms, Maryland 3041
DDT, dehydrochlorination, enzymes 3018
- Denmark 3354
destruxins, toxicity 496-497
diisopropyl fluorophosphate, toxicity 2716
- ecology**
environmental factors 713
intraspecific competition 2132
population ecology 232
seasonal abundance 1154
spatial distribution 130, 2902
- Enterobacteriaceae, transmission 1161
- entomogenous fungi 1734
- entomophilic nematodes 2389
 infectivity 280, 480, 750
- Entomophthora muscae*, pathogenicity 962
- feedlots, Nebraska 498
- fungi, interactions 725
- furbearing animals, USSR 2743

- Musca domestica cont.**
- genetics
 - fecundity 494
 - population size, genetic variation, bottlenecks 3059-3061
 - growth regulators, effects 1561
 - horses, German Federal Republic 232
 - human faeces, Romania 1161
 - Hungary 483-485
 - hydrocarbons, biosynthesis, inhibition 2709
 - hydroprene, effects, enzymes 2118
 - insecticide resistance
 - resistance management 748
 - resistance mechanisms 2717
 - insecticides
 - effects 2391
 - metabolism 113
 - resistance 483-485, 489, 961
 - temperature, effects 291
 - toxicity 589, 724, 2740-2741, 3062
 - Iowa 494
 - Iraq 272
 - isofenphos, metabolism 273
 - livestock
 - German Democratic Republic 487
 - Poland 746
 - Malaysia 954
 - man
 - allergies 1511
 - hypersensitivity 3022
 - myiasis 951, 1420
 - Moraxella ovis*, mechanical transmission 3085
 - morphology, variation 2123
 - muscalure, attractants 3024
 - natural enemies 3076
 - Nematoda, transmission 954
 - Pakistan 951
 - parasitoids 478, 970, 1181, 1782-1783, 2729, 3103
 - permethrin, resistance 287
 - physiology
 - ageing 151
 - circadian rhythms 968, 1419
 - cuticle 2119
 - digestion 289, 297, 1759
 - endocrine system, vitellogenesis 2736
 - haemolymph, proteins 2396
 - nervous system 3026
 - orientation 1164
 - sex pheromones, metabolism 2399
 - vision 2127, 3077
 - pig housing
 - German Federal Republic 1761
 - USSR 282
 - pig manure, Bulgaria 1389
 - pigs 956
 - plant extracts
 - effects 271, 1938, 2300, 2739
 - toxicity 963
 - potassium, effects 968
 - poultry droppings 277, 750, 1753, 2132, 2902, 3023
 - biological control 280
 - California 472
 - Malaysia 152
 - Texas 713
 - Zimbabwe 501, 3076
 - poultry housing 3024
 - British Columbia 2111
 - Georgia 130
 - Indiana 478
 - South Carolina 481
 - Virginia 747
 - Zimbabwe 1424
 - predators 713, 752, 1012, 1477, 1873, 2231, 2902, 3034, 3191
 - pyrethroid insecticides, toxicity 2122, 3027
 - rearing techniques 490
 - refuse tips
 - Brazil 2705
 - Japan 961
 - research, reviews 575
 - Romania 2729
 - rose bengal, photosensitization 2397
 - rural areas, Brazil 2394
 - sampling 3041
 - sheep, myiasis 2729
 - Musca domestica cont.**
 - solvents, toxicity 1758
 - Steatoda paykulliana*, venoms, toxicity 2230
 - Streptococcus suis*, infection 284
 - taxonomy, larvae 2705
 - ultrastructure, midgut 1759
 - vamidothion, metabolism 382
 - Weerkang, effects 294
 - Musca domestica domestica**
 - biochemistry, monophenol monooxygenase 2400
 - deltamethrin, effects 1392
 - insecticide resistance, resistance mechanisms 730-731
 - insecticides, resistance 1733
 - Jordan 1733
 - livestock, India 3012
 - Metarizium anisopliae*, pathogenicity 2266
 - physiology, metamorphosis 729
 - repellents 3012
 - terpenoids, effects 728 - Musca domestica vicina** (*see M. domestica*)
 - Musca hervei**
 - biology, development 111
 - cattle dung 111 - Musca nevilli**
 - cattle, South Africa 276
 - Parafilaria bovicola* 276
 - taxonomy, new species 276 - Musca osiris**
 - cattle, USSR 279
 - cyromazine, effects 482
 - Thelazia gulosa*, prevalence 279 - Musca sorbens**
 - Chlamydia trachomatis*, transmission 1755
 - Malaysia 954
 - man, Tanzania 1755
 - Nematoda, transmission 954
 - sampling 1755 - Musca tempestiva**
 - cattle, USSR 279
 - Thelazia gulosa*, prevalence 279 - Musca vetustissima**
 - biology, reproduction 136-137
 - cattle dung 476
 - Australia 3068
 - Western Australia 742, 744
 - control, biological control 757, 3089
 - ecology
 - environmental factors 742
 - population ecology 744
 - entomophilic nematodes 742
 - New South Wales 136-137
 - Onthophagus*, interactions 476
 - sampling 3068 - Muscalure ((Z)-9-tricosene)**
 - attractants, Muscidae 3024 - Muscidae**
 - books 577
 - cadavers, India 278
 - carion
 - Hawaii 1550
 - South Africa 1299
 - cattle, Czechoslovakia 1749
 - cattle dung, Bulgaria 1390
 - dairy farms, California 2110
 - Denmark 3354
 - ecology, seasonal abundance 1749
 - Enterobacteriaceae, transmission 1161
 - goats 2429
 - horses, German Federal Republic 232
 - human faeces, Romania 1161
 - rural areas, Brazil 2394 - Muscidifurax**
 - hosts, *Musca autumnalis* 948
 - Nebraska 948 - Muscidifurax raptor**
 - hosts, *Musca domestica* 478
 - poultry housing, Indiana 478 - Muscidifurax raptorrellus**
 - behaviour, oviposition 1783
 - genetics, inheritance 1783 - Muscidifurax zaraptor**
 - behaviour, dispersal 1181
 - biology, development 1400
 - dairies, Nebraska 1181, 3103
 - dispersal 3103 - Muscidifurax zaraptor cont.**
 - hosts
 - Fannia canicularis* 1400
 - Muscidae 1181, 3103
 - Muscina**
 - cattle, Europe 1757
 - control, insecticides 1757 - Muscina stabulans**
 - biology, development 277
 - control, biological control 472
 - Iraq 272
 - poultry droppings 277
 - California 472
 - refuse tips, Brazil 2705
 - taxonomy, larvae 2705 - Muscoidea**
 - carion, Finland 123
 - Chlamydia trachomatis*, transmission 967
 - ecology 123 - Mustela altaica**, *Androlaelaps fahrenholzi*, China 1479
 - Mustela eversmanni**, Ixodidae, China 770
 - Mustela furo** (*see Ferrets*)
 - Mustela nivalis**, Demodex, Europe 1486
 - Mustela sibirica**, *davidiana*, *Dermacentor taiwanensis*, Taiwan 789
 - Mutillidae**
 - Africa 101
 - hosts, *Glossina* 101
 - parasitoids 101 - Mydidae**, taxonomy 218
 - Mygalomorphae**, Australia, catalogues 2883
 - Myiasis**
 - Calliphora placida*, man 1163
 - Calliphora vomitoria*, dogs 720
 - Calliphoridae*, sheep 2147, 2392, 2703, 3010
 - Cephalopina titillator*, camels 1722
 - Chrysomya bezziana*, cattle 1728
 - Cochliomyia*, livestock 2112
 - Cochliomyia hominivorax*
 - dogs 285
 - livestock 477, 2185
 - sheep 3030
 - Cuterebra**
 - dogs 2381
 - man 110, 946
 - Dermatobia hominis**
 - buffalo 2385
 - cattle 268, 2106, 2384
 - man 2699
 - Diptera** 2704
 - domestic animals 1421
 - Equus africanus* 270
 - horses 2332
 - man 407, 951, 2124
 - red deer 1989
 - sheep 2729
 - small animals 2252
 - wild animals 870
 - Eristalis tenax**, cattle 493
 - Gasterophilus**
 - donkeys 947, 2105
 - horses 109, 466, 1388, 1718-1719, 2696-2697
 - Gasterophilus intestinalis**, horses 471, 2383
 - Hermetia illucens**, man 2721
 - Hypoderma**
 - cattle 467, 470, 1146, 1725, 2109, 2698, 3005
 - diagnosis 3007
 - man 108
 - Hypoderma bovis**, cattle 1724, 2382
 - Hypoderma diana**, horses 2104
 - Hypoderma lineatum**, cattle 469, 2930
 - Lucilia**, *Terrapene carolina* 1745
 - Lucilia caesar**, cattle 1750
 - Lucilia cuprina**, sheep 143, 1409, 2145
 - Lucilia sericata**
 - goats 112
 - man 735
 - sheep 2702
 - Musca domestica**, man 1420
 - Oestridae**
 - Cervus elaphus* 513
 - game animals 2108
 - Oestris ovis**
 - livestock 3008

- Myiasis cont.**
- Oestrus ovis* cont.
 - man 3004
 - sheep 269, 1720, 3009
 - Parasarcophaga crassipalpis*, man 2116
 - Phormia regina*, man 1736
 - Przhevalskiana silenus*, goats 468, 1721
 - Wohlfahrtia magnifica*, livestock 2113
 - Myiomela leucura* (*see* *Cinclidium leucurum*)
 - Myiophone caeruleus*, *Leptotrombidium andrei*, Thailand 1855
 - Mylabris*, toxins 305
 - Mylabris delhiensis*
 - India 1179
 - taxonomy, new species 1179
 - Mylabris guptai*
 - India 1179
 - taxonomy, new species 1179
 - Myocoptes musculinus*
 - biology 202
 - mice 202
 - skin diseases 537
 - Myocoptes queenslandicus*
 - Mesembriomys gouldii*, Queensland. 3180
 - taxonomy, new species 3180
 - Myospalax fontanieri*, *Hirstionyssus*, China 3179
 - Myotis daubentonii*, *Nycteribia kolenatii*, German Federal Republic 488
 - Myotis mystacinus*
 - Argus vespertilionis*, UK 3166
 - Nycteribia kolenatii*, German Federal Republic 488
 - Myriapoda*, man, poisoning 549
 - Myrmecia pilosula*
 - Australia 1781
 - entomopathogenic protozoa 1781
 - man, stings 1178
 - Tasmania 1178
 - Myrmecia rufinodis*, entomopathogenic protozoa 1781
 - Myrmeleontidae**, human immunodeficiency virus 433
 - Myrmicaria ruginodis*, venoms, pH, measurement 2497
 - Myrsidea cucullaris*, birds, Belgium 586
 - Mytidopsis bahia*, fenthion, effects 2852
 - Mystus seenghala*, prey, Culicidae 674
 - Mutilus edulis*, trichlorfon, residues 2855
 - Myxoma virus**
 - arthropods, transmission 871
 - Siphonaptera, transmission 363
 - NAK-1901** (*see* *(1R-cis)-Pentafluorophenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate*)
 - Naled** (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)
 - against
 - Amblyomma americanum* 795
 - Culicoides furens* 2664
 - Diptera 2742
 - Sarcophaga scabiei* 2203
 - Stomoxys calcitrans* 129
 - resistance, *Fannia canicularis* 1751
 - toxicity, aquatic organisms 1947
 - Namibia**
 - Araneae 3217
 - arthropod parasites 870
 - cattle, ectoparasites 2206
 - Hyalomma truncatum* 1835
 - Ornithodoros moubata* 528
 - Radfordia aethomys* 3183
 - Sergentomyia* 2082
 - Nanacarus minutus*
 - small mammals, German Federal Republic 809
 - taxonomy, redescription 809
 - 1-Naphthalene carboxaldehyde, phototoxicity, Culicidae 2367
 - Nasonia vitripennis*
 - biology
 - behaviour 139
 - reproduction 727
 - carrion, South Africa 1299
 - Nasonia vitripennis* cont.
 - ecology
 - clutch size 1982
 - population ecology 970
 - genetics, B chromosomes 1182
 - hosts
 - Calliphora* 139
 - Chrysomya albiceps* 726-727
 - Diptera 2729
 - Musca domestica* 478, 970, 3076
 - methoprene, effects 726
 - poultry housing, Indiana 478
 - Natamycin**
 - against
 - Dermatophagoides pteronyssinus* 1882
 - house dust mites 1013
 - toxicity, *Dermatophagoides farinae* 1009
 - Natrix piscator*, *Kiricephalus pattoni* 2447
 - Naucoridae*, Iberian Peninsula, catalogues 2327
 - Nauphoeta cinerea*
 - behaviour, social behaviour 1562
 - physiology
 - neuroendocrine system 1068
 - reproduction 1578
 - Nearctic Region**
 - Meringis* 2536
 - Pollenia rufidis* group 1394
 - Neartopsylla genalis*
 - Parascalops breweri*, USA 3193
 - Sorex*, New York 3194
 - Necator americanus*, vectors, Diptera, transmission 954
 - Necrobia rufipes*, cadavers, Hawaii 1412
 - Neem** (*see* *Azadirachta indica*)
 - Neguvon** (*see* *Trichlorfon*)
 - Neoaplectana*, hosts, *Lucilia cuprina*, infectivity 1727
 - Neoaplectana bibionis*
 - hosts
 - Diptera 2389
 - Musca domestica*, infectivity 280
 - Muscoidea, infectivity 480
 - Neoaplectana carpocapsae*
 - against
 - Alphitobius diaperinus* 3110
 - Diptera 2389
 - Muscoidea 472
 - biology, environmental factors 3110
 - hosts
 - Blattella germanica* 2313
 - Diptera 2389
 - Musca domestica*, infectivity 280, 750
 - Muscoidea, infectivity 480
 - predators 3270
 - Neoaplectana glaseri*
 - hosts
 - Diptera 2389
 - Musca domestica*, infectivity 750
 - Neobellieria bullata*
 - biochemistry, steroids, metabolism 743
 - 4-(dodecanoyloxyethyl)-1-(2-methyl-1-oxo-1-phenyl-2-propyl)-1,2,4-triazolium chloride, effects 144
 - genetics, DNA 2707
 - immunocytochemistry, nervous system 3045
 - physiology
 - haemolymph, proteins 2396
 - immune system 3058
 - muscles 745
 - vitellogenesis 3066
 - Neomesomermis flumenalis*, hosts, *Simulium* 2990
 - Neomyia*
 - cattle dung, Texas 2755
 - parasitoids 2755
 - Neomyia cornicina*
 - bacteria, nutrient cycles 721
 - cattle dung, Michigan 721
 - Neonyxus*, game birds, South Africa 1308
 - Neopodocinum dehongense*
 - China 3177
 - Scarabaeidae, phoresy 3177
 - Neopodocinum sinicum*
 - China 3177
 - Scarabaeidae, phoresy 3177
 - taxonomy, new species 3177
 - Neopodocinum vanderhammeni**
 - China 3177
 - Scarabaeidae, phoresy 3177
 - Neopodocinum yunnanense**
 - China 3177
 - Scarabaeidae, phoresy 3177
 - taxonomy, new species 3177
 - Neopynamin** (*see* *Tetramethrin*)
 - Neorautanenia mitis*
 - extracts
 - biochemistry 2283
 - Rhipicephalus appendiculatus* 2283
 - Neostigmine**, *Musca domestica*, organophosphate insecticides, antagonists 2716
 - Neostylopiga rhombifolia**, dwellings, China 1309
 - Neotetracrus sinensis sinensis** (*see* *Hydromys sinensis sinensis*)
 - Neotoma fuscipes*, *Triatoma protracta*, California 600
 - Neotoma micropus*, *Ixodes woodi*, Texas 1792
 - Neotrichodectes mephitidis**, foxes, North America 2931
 - Neotrombicula autumnalis*
 - distribution, Sweden 191
 - man, skin diseases 191
 - Neotrombicula microti*, *Microtus chrotorrhinus*, New York 3194
 - Neotrombicula vulgaris*
 - Clethrionomys glareolus*, injuries 3174
 - morphology, mouthparts 3174
 - Nepal**
 - Leishmania donovani*, epidemiology 699
 - Tabanidae 1393
 - Trombiculindus lukoschusi* 2210
 - Nepenthes maxima*, fauna, Indonesia 1054
 - Nephelopsis obscura*
 - Alberta 1162
 - prey, Chironomidae 1162, 1746
 - Nephila clavata*
 - toxins
 - binding, iron 2823
 - muscles, binding 2821
 - ultrastructure, venom glands 1256
 - Nephila maculata*, toxins, muscles, binding 2821
 - Nepidae**
 - Iberian Peninsula, catalogues 2327
 - prey, *Anopheles* 688
 - Nerocila acuminata*
 - behaviour, parasitism 2244
 - marine fishes, Gulf of Mexico 2244
 - Nerocila depressa*
 - histology, secretory cells 1497
 - Priacanthus hamrur*, Indian Ocean 1497
 - Nervous system diseases**, cattle, parasites 2456
 - Nesokia indica*, ectoparasites, Egypt 608
 - Nests**, Scarabaeidae 3088
 - Netherlands**
 - house dust mites 1013, 1485, 1881
 - Hydrotaea irritans* 292
 - Viedebaantia schmitzi* 809
 - Netherlands Antilles**
 - Aedes aegypti* 1655
 - livestock, ectoparasites 2185
 - Neutron radiation**, effects, *Rhipicephalus sanguineus* 1809
 - New Caledonia**
 - Alluaudomyia* 1373
 - aquatic organisms, checklists 1055
 - Boophilus microplus* 182-183
 - Scarabaeidae 2166
 - New Guinea**, *Metabinuncus asellisci* 190
 - New Zealand**
 - Alella tarakihi* 1262
 - aquatic insects, Trichomycetes 455
 - Austrosimilium australense* 263
 - Blattaria, entomophilic nematodes 1310-1311
 - Celatoblatta vulgaris* 1312
 - Hemianax papuensis* 1985
 - Lucilia sericata* 112
 - Pholcidae 837
 - Pollenia* 1394
 - Pollenia rufidis* group 1394
 - red deer, parasites 1989

- New Zealand cont.**
Thelyphassa lineata 1791
Vespa 509
- Nicaragua**
Rhytidelasma 1483
Rhytidelasma bicostata 3195
- Nicrophorus tomentosus**, physiology, reproduction 156
- Nicrophorus vespilloides**
attractants, pheromones 972
behaviour, cannibalism 986
carion, UK 972
predators 986
- Niger**
Glossina 1124
Simulium damnosum complex 264
- Nigeria**
Chrysops 1167
Diplonychus nepoides 1336
Dracunculus medinensis, epidemiology 3234-3235
filariids, epidemiology 3240
Glossina 1120, 1124, 2301
Glossina palpalis 1129, 1137
haemorrhagic fever viruses, epidemiology 1265
Mallophaga 401
Pediculus capitis 2519
Thogoto virus 2248
Wuchereria bancrofti, epidemiology 2977
yellow fever virus, epidemiology 926
- Nigronirmus densilimus stadleri**, Fringillidae, Spain 596
- Nikkomycins**, chitin, inhibition 2894
- Niviventer coxiangi**
Dermacentor taiwanensis, Taiwan 789
Haemogamasus, Korea Republic 2209
- Leptotrombiculid**, China 1478
- NIX** (see Permethrin)
- N,N-diethyl-2-phenylacetamide** (see DEPA)
- Nocardia brasiliensis**, vectors, Ixodidae, transmission 1454
- Nocardiosis**, metabolites, toxicity, *Aedes aegypti* 2263
- Noctuidae**
insects as food 3102
man
Algeria 982
allergies 2468
eye diseases 2165
- Nodaviridae**, reviews 2255
- Nomenclature**, allergens 845
- Nomuraea rileyi**, enzymes, characterization 1525
- North Africa**, Odonata, books 1977
- North America**
Aedes albopictus 1634
Aedes stimulans group 1619
Anopheles maculipennis complex 239
Araneae 1493
Bacillus thuringiensis 244
Braconidae 3134
Centruroides 2233
Chrysomya 2393
Corethrella 1735
Cuterebra 1048
Elgiva 1151
Euschoengastria 1875
Leishmania, epidemiology 1376
Podocinum pacificum 3205
Pollenia 1394
Sciomyzidae 3083
Simulium 1699
Solenopsis 299
Trichodectidae 2931
- Norway**
Lepeophtheirus salmonis 553, 1902
Linguatula arctica 212
mosquito-borne diseases, epidemiology 2355
reindeer, parasites 2308
Simulium rostratum 99
tickborne diseases, epidemiology 2426
- Nosomma monstrorum**, buffaloes, India 998, 1456
- Nosopsyllus consimilis**, lactates, repellents 627
- Nosopsyllus fasciatus**, behaviour, cocoon formation 231
- Nostoc linckia**, pyrethroid insecticides, effects 1045
- Notiopylopus**, evolution, host parasite relationships 2023
- Notoedres**, pets, skin diseases 2252
- Notoedres cati**
cat faeces, detection 338
cats
Czechoslovakia 2910
reviews 2441
skin diseases 2440
control, acaricides 2440
morphology 1857
- Notonecta insulata**, behaviour, foraging behaviour 896
- Notonecta irrorata**, behaviour, foraging behaviour 896
- Notonecta lunata**, behaviour, foraging behaviour 896
- Notonecta petrunkevitchi**, behaviour, foraging behaviour 896
- Notonecta uhleri**, behaviour, foraging behaviour 896
- Notonecta undulata**, behaviour, foraging behaviour 896
- Notonecta unifasciata**
fenoxycarb, effects 2853
Lagenidium giganteum, pathogenicity 3260
- Notonectidae**
Iberian Peninsula, catalogues 2327
prey, *Anopheles* 688
teflubenzuron, effects 2964
- Notopterus notopterus**
Lernaea, India 552
prey, Culicidae 674
- Nowickia nitida**, physiology, flight, thermoregulation 734
- Nowickia rostrata**, physiology, flight, thermoregulation 734
- Numida meleagris** (see also Guineafowls)
Hyalomma, South Africa 1197
- Numidiliipeurus lawrensis tropicalis**
control, insecticides 2007
fowls, skin diseases 2007
- Nuria danica**, prey, Culicidae 909
- Nursing homes**, *Sarcopes scabiei*, UK 203
- Nutria** (*Myocastor coypus*)
Culicidae, Argentina 1650
- Nyctalus noctula**, *Nycteribia kolenatii*, German Federal Republic 488
- Nycteribia kolenatii**, Chiroptera, German Federal Republic 488
- Nycticeius humeralis**, *Acanthophthirius nycticeius*, Indiana 1876
- Oceania**
Aedes scutellaris complex 2631
aquatic organisms, checklists 1055
- Ochodaeidae**
distribution, Africa 2168
taxonomy, revision 2168
- Ochteridae**, Iberian Peninsula, catalogues 2327
- Ocimum basilicum**, extracts, Diptera 2300
- Ocimum sanctum**, extracts, Diptera 2300
- Ockelbo virus**, taxonomy 1505
- 1-Octen-3-ol**, attractants, *Glossina palpalis* 1144
- Octomyermis albicans**
Argentina 2253
hosts, *Cricotopus* 2253
taxonomy, new species 2253
- Odagmia ornata** (see *Simulium ornatum*)
- Odooileus hemionius**, xenobiotics, metabolism 2861
- Odooileus virginianus**
Amblyomma americanum, USA 1815
Borrelia burgdorferi
USA 1467
Wisconsin 523
- Diptera, myiasis 2704
- Ixodes dammini*, Rhode Island 2766
- Jamestown Canyon virus
Indiana 2033
USA 1629
- Lioptoprena depressa*, Alberta 145
- Theileria cervi* 3161
- Odonata**
Europe, books 1977
mimicry, colour, nomenclature 2907
parasitoids 3086
- Odonata cont.**
rice fields, California 2645
teflubenzuron, effects 2964
- Odontacarus australiensis**
man, bites 2226
New South Wales 2226
- Odours**, attractants, *Glossina* 461
- Oeciacus vicarius**, nests, Colorado 886
- Oerskovia**, metabolites, toxicity, *Aedes aegypti* 2263
- Oestridae**
cattle, skin diseases 1557
livestock, reviews 1306
man, hypersensitivity 2467
Switzerland 1557
wild animals, South Africa 870
- Oestrus ovis**
control, insecticides 269, 1720, 3009
livestock, Burkina Faso 3008
man, myiasis 3004
sheep
myiasis 269, 1720
USSR 3009
- Oicus purvesi**
distribution, Dominica 1897
taxonomy 1897
- Okaramine A**, characterization 1939
- Oman**, insects, books 218
- Omite** (see Propargite)
- Ommatoiulus moreletii**
behaviour, phototaxis 3230
distribution, Australia 839
dwellings, South Australia 3230
- OMS-2015** (see Triflumuron)
- OMS-3007** (see Propionaldehyde O-[2-(4-phenoxyphenoxy)ethyl]oxime)
- OMS-3009** (see Teflubenzuron)
- OMS-3610** (see Fenoxycarb)
- OMS-3013**, against, *Culex quinquefasciatus* 917
- OMS-3019** (see 2-[1-Methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine)
- Omsk haemorrhagic fever**
books 1047
epidemiology, USSR 1047
- Omsk haemorrhagic fever virus**, arthropods, transmission 1047
- Onchocerca**, vectors, *Simulium*, infection 1701
- Onchocerca cervicalis**, vectors, *Culicoides variipennis*, transmission 1675
- Onchocerca lienalis**
vectors
Simulium, infection 1693
Simulium ornatum, infection 941, 1703
Simulium ornatum complex, infection 2376
- Onchocerca volvulus**
epidemiology, America 2676
man
Nigeria 3240
Sudan 2683
- vectors
Culicidae, host parasite relationships 443
- Simulium*
detection 2684
transmission 942, 2677, 2993
- Simulium damnosum* complex, transmission 709, 1115, 1700
- Simulium ochraceum*
anthelmintics, effects 2994
transmission 261, 1705
- Oncocladosoma castaneum**
behaviour, phototaxis 3230
South Australia 3230
- Oncorhynchus gorbuscha**, *Lepeophtheirus salmonis*, USSR 211
- Oncorhynchus keta**, *Lepeophtheirus salmonis*, USSR 211
- Oncorhynchus keta autumnalis**, *Lepeophtheirus salmonis*, USSR 211
- Ondatra zibethicus**, Omsk haemorrhagic fever, USSR 1047
- Onesia**, taxonomy, keys 1540
- Onesia fumicosta**
Papua New Guinea 1540
taxonomy, new species 1540
- Onesia gilwea**
Papua New Guinea 1540

- Onesia gilwea** cont.
 taxonomy, new species 1540
- Onesia higae**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Onesia ismayi**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Onesia nakatae**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Onesia nigra**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Onesia niuginii**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Onesia spatuliforceps**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Onesia steffani**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Onesia tariensis**
 Papua New Guinea 1540
 taxonomy, new species 1540
- Oniticellus africanus**
 fertilizers, effects 1439
 pastures, Australia 1439
- Oniticellus fulvus**
 fertilizers, effects 1439
 pastures, Australia 1439
- Oniticellus intermedius**
 cattle dung, South Africa 3089
 ecology, seasonal abundance 3089
 fertilizers, effects 1439
 pastures, Australia 1439
- Oniticellus triangulus**
 cattle dung, South Africa 3089
 ecology, seasonal abundance 3089
- Onitis alexis**
 behaviour, nesting 757
 cattle dung, South Africa 757
 fertilizers, effects 1439
 pastures, Australia 1439
- Onitis aygulus** (see *O. alexis*)
- Onitis caffer**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis deceptor**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis fulgidus**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis gazella**
 fertilizers, effects 1439
 pastures, Australia 1439
- Onitis obscurus**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis pecuarius**
 behaviour, nesting 757
 cattle dung, Australia 757
- Onitis perpunctatus**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis picticollis**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis tortuosus**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis uncinatus**
 against, Muscidae 757
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onitis viridulus**
 behaviour, nesting 757
 cattle dung, South Africa 757
- Onthophagus binodis** cont.
 Musca vetustissima, interactions 476
 pastures, Australia 1439
 Western Australia 985
- Onthophagus bistrinocelloides**
 forests, Philippines 980
 taxonomy, new species 980
- Onthophagus bonasus**, eggs, disinfection 3122
- Onthophagus dejongi**
 forests, Philippines 980
 taxonomy, new species 980
- Onthophagus ferox**
 cattle dung 476
 morphology, sexual dimorphism 985
 Musca vetustissima, interactions 476
 Western Australia 985
- Onthophagus gazella**, eggs, disinfection 3122
- Onthophagus granulatus**
 fertilizers, effects 1439
 pastures, Australia 1439
- Onthophagus minutus**
 cattle dung, South Africa 3089
 ecology, seasonal abundance 3089
- Onthophagus taurus**
 fertilizers, effects 1439
 pastures, Australia 1439
- Onychomys leucogaster**, ectoparasites, New Mexico 585
- Ophicephalus striatus**, *Lernaea*, Philippines 3231
- Ophiocara aporos**, *Lernaea*, Philippines 3231
- Ophyiulus verruculiger**
 behaviour, phototaxis 3230
 South Australia 3230
- Ophyra**
 carion, Hawaii 1548
 control
 electrocuting traps 3024
 growth regulators 152
 poultry droppings, Malaysia 152
 poultry housing 3024
- Ophyra aenescens**
 against, *Musca domestica* 487, 747
 behaviour, dispersal 481
 biology, development 277
 entomophilic nematodes, infectivity 480
 poultry droppings 277, 3034
 poultry housing, South Carolina 481
 prey, *Musca domestica* 3034
- Ophyra chalcogaster**
 refuse tips, Brazil 2705
 taxonomy, larvae 2705
- Opifex fuscus**, predators 1985
- Opioids**, effects, *Periplaneta americana* 2314
- Opisthoplatia orientalis**, dwellings, China 1309
- Orbivirus**
 characterization 1204
 vectors
 Culicoides schultzei, Japan 2078
 Ixodoidea, Europe 1204
- Orchopeas howardii**, *Aix sponsa*, Illinois 613
- Oreotragus oreotragus**, *Ixodes matopi*, Zimbabwe 3156
- Organochlorine insecticides**, residues, fishes 864
- Organochlorine pesticides**
 carcinogenicity, laboratory animals 3298
 mutagenesis, *Escherichia coli* 1959
 residues, detection 1945
- Organophosphate insecticides**
 antagonists 2716
 man, poisoning 1274, 2290
 resistance, *Anopheles albimanus* 2353
 resistance mechanisms, *Culex tarsalis* 2601
- Organophosphate pesticides**, poisoning, man 2482
- Organophosphorus acaricides**, resistance, *Boophilus* 330
- Organophosphorus compounds**
 chemistry, books 3344
 poisoning, man, treatment 3308
- Organophosphorus insecticides**
 effects, *Musca domestica* 2391
- Organophosphorus insecticides** cont.
 toxicity, insects 589
 vertebrates, metabolism 1967
- Organophosphorus pesticides**
 analysis, chromatography 2285
 nontarget effects, books 219
 toxicity, man 219
- Oribatida**
 Moniezia benedeni, German Federal Republic 2450
 predators 1873
- Ornithocheyletia**
 biology, behaviour 194
 Passeriformes, USSR 194
- Ornithocoris pallidus**, nests, Mississippi 1599
- Ornithodoros**
 Borrelia 758
 diseases, reviews 185
 hosts, Somalia 313
 Italy 185
 USSR 758
- Ornithodoros capensis**
 Australia 1257
 man, bites 1257
- Ornithodoros coriaceus**
 African swine fever virus
 detection 1825
 transmission 1817
 Borrelia coriaceae 2837
 transovarial transmission 2783
 rearing techniques 786, 1830
- Ornithodoros dugesi**, rearing techniques 786
- Ornithodoros erraticus**
 biology, development 1797, 1827, 2182
 rearing techniques 786
 ultrastructure
 Malpighian tubules 1833
 reproductive system 1462
 males 1828
- Ornithodoros faini**, *Rousettus aegyptiacus*, Zimbabwe 3155
- Ornithodoros gurneyi**
 Australia 1257
 man, bites 1257
- Ornithodoros kelleyi**, distribution, Michigan 3142
- Ornithodoros maritimus**
 Great Saltee virus 1801
 Irish Republic 1801
 Morocco 1204
 Orbivirus 1204
- Ornithodoros moubata**
 Dipetalonema viteae, infection 1839
 ecdysteroids, ingestion, detoxification 3136
 hepatitis B virus, transmission 528
 laboratory animals, immune response 529
 man, Namibia 528
 Phacochoerus aethiopicus, Zimbabwe 3155
- Ornithodoros moumata complex**, African swine fever virus, Malawi 3168
- Ornithodoros parkeri**
 African swine fever virus, transmission 1817
 biology, development 791
 rearing techniques 786
 repellents 773
- Ornithodoros puertoricensis**
 African swine fever virus, transmission 1817
 rearing techniques 786
- Ornithodoros savignyi**
 cattle, India 2417
 Theileria annulata, transmission 2417
- Ornithodoros turicata**
 African swine fever virus, transmission 1817
 rearing techniques 786
 taxonomy, nomenclature 790
- Ornithodoros turicata americanus**, biology 790
- Ornithomya avicularia**
 birds
 Belgium 586
 Italy 164

- Ornithomya chloropus**, birds, Italy 164
Ornithomya fringillina, birds, Italy 164
Ornithonyssus bacoti
 control 352
 man, skin diseases 352
 rodents, Egypt 608
Ornithonyssus bursa
 biology 814
 control, acaricides 814
 poultry, Florida 814
Ornithonyssus sylvarium
 aviary birds, reviews 1303
 biology, feeding 1880
 domestic animals, poultry diseases 812
 ecology, population ecology 3189
 fowls
 immune response 333, 3189
 skin diseases 2808
 rearing techniques 1880
 sampling 2808
Oropouche virus, vectors, *Culex quinquefasciatus*, transmission 1632, 1637
Oropsylla bacchi
Paraceroglyphus cynomydis, phoresy 2023
 Sciuridae, USA 2023
Oropsylla fotus
 control, growth regulators 612
Spermophilus mexicanus, Texas 612
Oropsylla hirsuta, Sciuridae, USA 2023
Oropsylla idahoensis
Paraceroglyphus cynomydis, phoresy 2023
 Sciuridae, USA 2023
Oropsylla labis
Paraceroglyphus cynomydis, phoresy 2023
 Sciuridae, USA 2023
Oropsylla montana montana, morphology, Wagner's organ 2538
Oropsylla tuberculata ornata
Paraceroglyphus cynomydis, phoresy 2023
 Sciuridae, USA 2023
Orphenadrine, treatment, *Latrodectus*, bites 828
Orthellia caesarion (see *Neomyia cornicina*)
Orthene (see *Acephate*)
Orthocladius, ecology, urbanization 1983
Orthogeomyz, Trichodectidae, coevolution 2008
Orthohalarache attenuata, *Callorhinus ursinus*, Japan 806
Orthopodomyia, UK 2876
Orthopodomyia anopheloides, biochemistry, enzymes 1658
Orthopodomyia signifera
 ecology, drought, survival 2049
 tree holes, Florida 2049
Orthoptera, *Gordius* 3119
Orycteroxenus soricis, *Sorex*, New York 3194
Oryctolagus cuniculus
 ectoparasites, Italy 871
Haemaphysalis hispanica, Portugal 325
Ostrea edulis, trichlorfon, residues 2855
Ostriches, Pterolichidae, skin diseases 3206
Otidiphaps nobilis, *Hohorstiella radovskii*, Indonesia 1581
Otilipeurus turmalis
Otis tarda, Spain 2319
 taxonomy, redescription 2319
Otis tarda, *Otilipeurus turmalis*, Spain 2319
Otitidae, Iraq 272
Otobius megnini
 cattle, India 2417
 control, acaricides 2192
 horses, India 2192
 hosts, Zimbabwe 3155
Panthera leo, Brazil 1460
 predators 1837
 Texas 1837
Theileria annulata, transmission 2417
Otodectes
 control, acaricides 2797
 foxes, skin diseases 2797
 pets, skin diseases 2252
Otodectes cynotis
 cats, reviews 2441
 control, acaricides 2793
 dogs
 Czechoslovakia 2910
 ear diseases 2435
 foxes, skin diseases 2793
Ovis aries (see Sheep)
Oxamate, against, Tabanidae 283
Oxamyl (methyl 2-(dimethylamino)-N-[[(methylamino)carbonyl]oxy]-2-oxoethanimidothioate)
 toxicity, *Culex pipiens* 2050
Oxylipurus spangleri
Crax alector, Venezuela 14
 taxonomy, new species 14
Oxytetracycline, effects, *Glossina morsitans* 2095
Pachycondyla harpax, behaviour, defense 1446
Pachylister caffer, prey, *Haematobia thirouxi* 3011
Pacific islands, *Aedes scutellaris* complex 2631
Pacific Ocean
Allela tarakihi 1262
Haemobaphes diceraus 1499
Paeciliomyces, metabolites, toxicity, *Aedes aegypti* 2263
Paederus
 biology, reviews 1784
 man, skin diseases 1784
Paederus australis, man, skin diseases 3113
Paederus fuscipes, biology, reviews 1784
Pagellus erythrinus, pesticides, residues 864
Paguma larvata taivana, *Dermacentor taiwanensis*, Taiwan 789
Pakistan
Anopheles stephensi 246, 2958
Brachypogon 2982
 Diptera 951
 insecticide residues, cattle feeds 1962
Lucilia sericata 735
 Vespidae 753
Palaearctic Region
Brachypogon 2982
Culicoides 2663
Pollenia rufid group 1394
Palaeopsylla soricis
 ecology 25
 community ecology 29
 small mammals, USSR 25
Sorex alpinus, Czechoslovakia 29
Palpigradi, Australia, catalogues 2883
Palyman group viruses
 cattle, Zimbabwe 3243
 serotaxonomy 3243
Panama
Cochliomyia hominivorax 126
Genuchinus muzo 3088
Pediculus capitis 1071
Sasacarus panamense 2211
Triatoma dimidiata 1595
Pandinus imperator, venoms, effects, nervous system, frogs 3222
Panstrongylus geniculatus, *Trypanosoma cruzi*, Brazil 2012, 2320
Panstrongylus lignarius, *Trypanosoma cruzi*, Brazil 2012
Panstrongylus megistus
 biology, reproduction 20
 precocene II, effects 885
Trypanosoma cruzi
 Brazil 2320
 man, diagnosis 2942
 ultrastructure, Malpighian tubules 1077
Pantalea hymenaea, fenoxycarb, effects 2853
Panthera leo, *Otobius megnini*, Brazil 1460
Papua New Guinea
Anopheles 392, 1645, 2547
Anopheles farauti 659, 1099, 1615, 2615
Anopheles punctulatus 413
Calliphoridae 1540
Calyptro minuticornis 1426
Dermatophagooids pteronyssinus 3175
Hohorstiella tenorioae 1581
Papua New Guinea cont.
Irianopus brevis 3181
Mesostoma timbunke 1083
 Murray Valley encephalitis virus, epidemiology 2831
Pioneer damastesalis 3090
Rallicola irediparrae 1583
 Ross River virus, epidemiology 371
Paraceroglyphus, evolution, host parasite relationships 2023
Paraceroglyphus cynomydis
Oropsylla, phoresy 2023
 taxonomy, new species 2023
Paracelops megalotis, *Metabinuncus paracelopos*, Vietnam 190
Paradichlorobenzene, repellents, *Hydrotaea irritans* 1157
Paradoxopsyllus scalonae, rodents, USSR 607
Paraergasilus
 Africa 1901
 taxonomy, keys 1901
Parafilaria bovicola
 vectors
 Musca, transmission 2390
 Musca nevilli 276
Paraguay, *Eulinognathus americanus* 883
Parakeets, ectoparasites, reviews 1303
Paralysis
Ixodes holocyclus, dogs 318-319
Ixodes rubicundus, *Antidorcas marsupialis* 527
 Ixodidae, pets, treatment 1514
 Ixodoidea, man 1001
Rhipicephalus, goats 1813
Paralytic shellfish toxin, effects, Decapoda 2825
Paramecium aurelia, insecticides, effects 1952
Paramenia, taxonomy, keys 1540
Paraoxon (diethyl 4-nitrophenyl phosphate)
 inhibition, fowls 2863
 resistance, *Musca domestica* 730-731
Paraphissopoda chrysostoma, rural areas, Brazil 2394
Parapiophila vulgaris
 control, insecticides 2743
 furbearing animals, USSR 2743
Parasarcophaga albiceps, morphology, digestive system 3074
Parasarcophaga argyrostoma
Androctonus australis, toxins, toxicity 1258
 cyclodiene insecticides, analogues, toxicity 1529
 Iraq 272
 physiology, photoperiodism, models 581-583
Parasarcophaga barbata (see *P. argyrostoma*)
Parasarcophaga crassipalpis
 man, myiasis 2116
 physiology
 cold hardening 580
 cold tolerance 958, 1150
 South Australia 2116
Parasarcophaga oitana, China 3013
Parasarcophaga ruficornis, carrion, Hawaii 1548
Parascalops breweri, ectoparasites, USA 3193
Parasitidæ, livestock housing, Czechoslovakia 544
Parasitoids
 ecology
 host parasite relationships, models 1984
 population ecology 2411
 evolution, thelytoky 2411
Parasitus copridis
 hosts, *Geotrupes* 3204
 Poland 3204
Paratanytarsus inopertus
 behaviour, foraging behaviour 1297
 predators 1297
Parathion (*O*,*O*-diethyl *O*-(4-nitrophenyl) phosphorothioate)
 effects, rats 1530
 metabolism, rats 383
 penetration, *Triatoma infestans* 2324

- toxicity, *Musca domestica* 2740-2741
- Parathion-methyl** (*O,O*-dimethyl *O*-(4-nitrophenyl) phosphorothioate)
degradation, estuaries 1287
effects
 Metapenaeus monoceros 863
 rats 3315
 Romanomermis culicivorax 1661
 Sturnus vulgaris 3320
 Tilapia mossambica 1278
metabolism, man 2859
mutagenicity, *Drosophila melanogaster* 953
resistance, *Culex tarsalis* 2550
resistance mechanisms, *Culex tarsalis* 2601
Tilapia mossambica, toxicology 569
toxicity
 Boophilus microplus 995
 Musca domestica 2740-2741
- Paravespula**, venoms, biochemistry 1434
- Paravespula germanica** (see *Vespa germanica*)
- Paravespula vulgaris** (see *Vespa vulgaris*)
- Parcoblatta kyotensis**, dwellings, China 1309
- Pareggle cinerella**, cattle dung, Bulgaria 1390
- Parks**
 Dermacentor variabilis, New York 1840
 ectoparasites, Italy 871
- Parrots**, ectoparasites, reviews 1303
- Paruroctonus maritimus**
 California 1895
 taxonomy, new species 1895
- Paruroctonus mesaensis**
 deserts, California 3216
 ecology, foraging behaviour 3216
- Parus major**, *Carnus hemapterus*, German Federal Republic 1399
- Parvoviridae**, reviews 2255
- Parvovirus**, mucocutaneous lymph node syndrome 1506
- Passer domesticus**, *Ornithocoris pallidus*, Mississippi 1599
- Passeriformes**, Cheyletidae, USSR 194
- Pasteurella multocida**, vectors, *Cimex lectularius*, transmission 2326
- Pastures**
 Boophilus microplus, Puerto Rico 988
 Cochliomyia hominivorax, Mexico 3032
 Culicidae, California 2964
 Diptera, Czechoslovakia 1749
 dung beetles
 Australia 1439
 Nebraska 1173
 Musca autumnalis
 Nebraska 714
 USA 749
 Solenopsis invicta, South Carolina 3111
 Tabanidae, Japan 1743
- Pathology**
 Pathology
 banteng, *Demodex bantengi* 2214
 Bubulcus ibis, *Argas robertsi* 520
 cattle
 Hyalomma truncatum, sweating sickness 2424
 Ixodidae 990
 Psoroptes ovis 1887
 skin diseases 343-344
 dogs
 Ctenocephalides felis 2330
 Ixodes holocyclus, paralysis 318-319
 goats, *Sarcopotes scabiei* 813
 horses, *Gasterophilus* 1-88
 Macaca nemestrina, *Pneumonyssus simicola* 2198
 mammals, Pentastomida 2243
 man
 Hymenoptera, hypersensitivity 2459
 Sarcopetes scabiei 3188
 rabbits, *Tegenaria agrestis*, venoms 836
 rats, *Atrax*, venoms 815
 sheep
 Arge pullata, poisoning 303
- Pathology cont.**
- sheep cont.**
- Calliphoridae*, myiasis 2392
 Psoroptes ovis 3213
 vertebrates, Scorpiones, venoms 818-819
- Pattonella intermutans**
 carrión, Costa Rica 964
 morphology, larvae 964
- PCP** (see *Pentachlorophenol*)
- Pederin**, pharmacology, reviews 1784
- Pedicinus eurygaster**
 control, insecticides 1585
 Macaca mulatta, skin diseases 1585
- Pediculus**
 control, insecticides 2009
 man, eye diseases 2009
- Pediculus capititis**
 Brazil 1510
 co-trimoxazole, treatment 15
 control 599
 insecticides 1071, 1586, 2010, 2518
 pyrethroids 598
- Israel 2518
- Korea Republic 227
 man
 Libya 2935
 Nigeria 2519
 skin diseases 15, 227, 598, 1071, 1510, 1586, 1926, 2010, 2518
 morphology, eggs, chorion 1073
- Pediculus humanus**
 control 599
 man, skin diseases 844, 1926
- Pediculus humanus capititis** (see *P. capititis*)
- Pelecytes fulicaeatrae**, vectors, *Pseudomonas pilosum*, transmission 2932
- Pelomys fallax**, *Ixodes elongatus*, Zimbabwe 3156
- Peltogaster curvatus**
 biology, development 1502
 techniques, age determination 1502
- Peltogaster paguri**
 biology, development 1502
 techniques, age determination 1502
- Peltogasterella**
 biology, development 1502
 techniques, age determination 1502
- Peltogastridae**
 biology, development 1502
 techniques, age determination 1502
- Penaeus duorarum**, fenthion, effects 2852
- Penaeus indicus**, dicofol, effects 1956
- Penaeus monodon**, dimethoate, effects 862
- Penfluron** (2,6-difluoro-N-[[(4-(trifluoromethyl)phenyl)amino]carbonyl]benzamide)
against, *Alphitobius diaperinus* 3112
 effects, insects 1561
 toxicity, *Anopheles stephensi* 68
- Penicillium simplicissimum**, okaramine A, structure 1939
- Pennella**, Cetacea 1903
- Pennella antarctica**, taxonomy, synonym of, *Pennella balaeoptera* 1903
- Pennella anthonyi**, taxonomy, synonym of, *Pennella balaeoptera* 1903
- Pennella balaeoptera**
 morphology, variation 1903
 taxonomy, synonyms 1903
- Pennella cetti**, taxonomy, synonym of, *Pennella balaeoptera* 1903
- Pennella charcoti**, taxonomy, synonym of, *Pennella balaeoptera* 1903
- Pennella crassicornis**, taxonomy, synonym of, *Pennella balaeoptera* 1903
- Pennella filosa**, morphology, variation 1903
- Pentachlorophenol**, effects, *Pipistrellus pipistrellus* 3297
(*1R-cis*)-(Pentafluorophenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate, effects, rats 2864
- Pentaneura inopertus**
 behaviour, foraging behaviour 1297
 predators 1297
- Pentastomiasis**
- Armillifer*, man 2824
 Linguatula serrata, livestock 2245
 man, *Linguatula* 3233
- Pentastomiasis cont.**
- Pentastomida*, reptiles 2243
- Pentastomida**
- man, Korea Republic 362
 reindeer, reviews 2308
 reptiles, pentastomiasis 2243
- Pergamasus longicornis**
 behaviour, feeding behaviour 1012
 prey, insects 1012
- Periplaneta americana**
 Agelenopsis aperta, toxins, effects 820
 allergens, characterization 2508
 anatomy, nervous system 2512
 Androctonus australis, toxins, toxicity 1258
 behaviour
 flight 877
 migration 2927
 stress, learning 2511
- biochemistry**
- diphenols 2507
 enzymes, Malpighian tubules 1996
 juvenile hormones 2897
 lectins 1995
 lipophorin 397
 muscles 1575
 nervous system 1563
 acetylcholine 2912
 brassinolides, effects 7
- control, insecticides 1567, 2004
- deltamethrin, toxicity 590
- dwellings, South Carolina 1316
- ecology, population ecology 2927
- entomogenous fungi 2918
- fenoxycarb, effects 1062
- fenvalerate, effects 1576
- greenhouses, Massachusetts 2927
- histochemistry, nervous system 2510
- human immunodeficiency virus 433
- insecticide resistance, resistance mechanisms 1067
- insecticides, effects 2928
- juvenile hormone III, biosynthesis, inhibition 2315
- landfills, Virginia 1567
- man, allergies 1063
- oothecins, genes, DNA sequences 1061
- parasitoids 874, 1314, 1992
- phosphamidon, penetration 12
- physiology
 behaviour, escape response 2509
 chemical composition 2001
 cuticle, water relations 2892
 feeding 2314
 immune system 876, 879, 1574, 1593, 1994-1995, 2915, 2918
 locomotion 400
 metabolism 881
 musculoskeletal system 2517
 nervous system 396, 398, 1066, 1069, 1997-1998, 2000, 2317, 2513-2514, 2924, 2928
 neuroendocrine system 1062, 1068
- neurotransmitters 9
- olfaction 1999
- sense organs, locomotion 877
- sensilla 2003
- sex pheromones 591
- stress 1570
- water relations 399
- plant extracts, effects 7, 2515
- quassin, effects 1991
- rearing techniques, mass production 1314
- repellents 1059
- sampling 2927
- sewage drains, India 2004
- Trypanosoma rangeli*, infection 884, 1593
- ultrastructure
 neurosecretory cells 1993
 sensilla 1313
- warehouses, California 5
- Periplaneta australasiae**, parasitoids 1314
- Periplaneta brunnea**, *Metarhizium anisopliae*, pathogenicity 2266
- Periplaneta fuliginosa**
 bibliographies 1317
 dwellings, South Carolina 1316
- Metarhizium anisopliae**, pathogenicity 2266

- Periplaneta fuliginosa* cont.
parasitoids 1314
- Peripsocus stagnivagus*, *Sciurus carolinensis*, nests, Florida 3092
- Perissodactyla*, Ixodoidea, Somalia 313
- Peritrichida*, hosts, Culicidae, prevalence 2565
- Permethrin** ((3-phenoxyphenyl)methyl 3-(2,2-dichloroethyl)-2,2-dimethylcyclopropanecarboxylate) against
Anopheles balabacensis 432
Ctenocephalides felis 2943
Culicidae 1668, 2066
Diptera 746, 1757
ectoparasites 200, 598
Glossina 1124
Haematobia irritans 1398, 3043
Ixodidae 1811
Muscidae 117, 146, 2114
Ornithomyssus bursa 814
Pediculus capitis 1071
Pthirus pubis 226
Simuliidae 2685
Tabanidae 3042
bioassays, *Haematobia irritans* 3016
degradation, inhibitors 113
detection, gas liquid chromatography 378
effects
 aquatic organisms 1953
 Periplaneta americana 2928
 Pipistrellus pipistrellus 3297
formulations 23
 excipients, analysis 2848
nontarget effects, reviews 1124
piperonyl butoxide, synergism 3027
plus pyrethrins, irritancy, *Blattella germanica* 594
repellents
 Culicidae 2609, 2628
 Ixodes dammini 1798
 Ornithodoros parkeri 773
resistance
 Anopheles stephensi 900
 Blattella germanica 395, 2917
 Culex pipiens 2059
 Fannia canicularis 1751
 Haematobia irritans 120, 134, 1403, 3031
 Musca domestica 287, 485, 730, 1733
temperature, effects, *Musca domestica* 291
toxicity
 Amblyomma maculatum 3148
 aqueous insects 2995
 Cimex lectularius 23
 fishes 2485
 Hyalomma marginatum 1811
 Musca domestica 2740-2741, 3027
 parasitoids 3062
 Stomoxys calcitrans 3075
ultralow volume spraying, surfactants 2274
uptake, Cyanobacteria 2867
with cypermethrin, against, Diptera 232
with diethyltoluamide, repellents, Culicidae 2628
trans-(±)- (see Transpermethrin)
cis, effects, rats 2864
- Perognathus parvus*, *Dermacentor andersoni*, Idaho 312
- Peromyscus leucopus*
Aedes triseriatus, host parasite relationships 2638
- Borrelia burgdorferi*
USA 1467
 Wisconsin 523, 525
- dichlorvos, toxicity 1966
- Ixodes dammini*
 Rhode Island 2766
 Wisconsin 525
- Ixodidae
 Connecticut 524
 Maryland 2425
 Tennessee 1832
- Spirochaetales, Minnesota 561
- Peromyscus maniculatus*, *Dermacentor andersoni*, Idaho 312
- Peru**
Anopheles 2594
Loxosceles 1890
Muscidifurax raptorrellus 1783
Plocopsylla kilya 2535
Scathophaga tropicalis 114
Spastomelea weyrauchi 2756
Trombiculidae 1245
- Pest control**, reports, Denmark 3354
- Pest resistance**
 cattle
 Ixodidae 990
 Simulium arcticum 458
- Pesticide residues**
 detection 2854
 India, conferences 1981
- Pesticide resistance**, resistance management, books 2881
- Pesticides**
 books 2879-2880
 economics, Brazil 1937, 1946
 effects, fishes 1960
 formulations, excipients, analysis 2848
 health hazards, reports, UK 2491
 man, poisoning 3301
 mutagenicity, registration, Japan 1527
 nontarget effects 2299, 2870
 books 1538, 3345
 poisoning, man 2486, 3299
 Salmonella typhimurium, mutagenicity 2866
 screening, computer analysis 3287
 spraying, drift, models 2276
 usage, standards 2847
- Pestoban**, against, ectoparasites 2
- Petauralges mordax*
Phascogale tapoatafa, Queensland 3199
 taxonomy, new species 3199
- Petaurista petaurista philippensis*, *Ixodes petauristae*, India 1455
- Petaurus breviceps*, *Irianopus brevis*, New Guinea 3181
- Petrochelidon pyrrhonota* (see *Hirundo pyrrhonota*)
- Petrolatum**, against, *Pthirus pubis* 1072
- Petroleum ether**, toxicity, *Musca domestica* 1758
- Petrorossia angustibasalis*
 hosts, Mutilidae 101
 Zimbabwe 101
- Pets**
 arthropods, books 3338
 Cheyletiella, skin diseases 198
 envenomation, treatment, reviews 1514
 mites, poultry diseases 812
 parasites, books 1973
 parasitoses, reviews 3253
 Siphonaptera 229
- Peucetia viridans*, man, bites 1493
- Phacochoerus aethiopicus*
 African swine fever virus, Malawi 3168
- Ornithodoros moubata*, Zimbabwe 3155
- Phaenia* (see *Lucilia*)
- Phaenia cuprina* (see *Lucilia cuprina*)
- Phaenia eximia* (see *Lucilia eximia*)
- Phaenia sericata* (see *Lucilia sericata*)
- Phaeotabanus cajennensis*
 ecology, habitats 142
 French Guiana 142, 2121
 monitoring, traps 2121
- Phanaeus endymion*
 ecology 3087
 fish, Mexico 3087
- Phaonia*
 prey, Culicidae 871
 tree holes, Italy 871
- Phaonia cercocchinata*, taxonomy, new species 2133
- Phaonia hebata*, taxonomy, new species 2133
- Phaonia lamellata*, taxonomy, new species 2133
- Phaonia submarginata*, taxonomy, new species 2133
- Phaonia subpalpata*, taxonomy, new species 2133
- Pharyngomyia**
 Cervus elaphus, myiasis 513
 Spain 513
- Pharyngomyia picta**
 control, insecticides 2108
 game animals, Austria 2108
- Phascogale tapoatafa*, *Petauralges mordax*, Queensland 3199
- Phasianus colchicus*, *Dermacentor silvarum*, China 2181
- Pheidole dentata*
 behaviour, aggression 1778
 Texas 1778
- Pheidole liengmei*, carrion, South Africa 1299
- Phenoderm** (see Phenothrin, (1R)-*cis-trans*)
- Phenothrin** ((3-phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
- piperonyl butoxide, synergism 3027
resistance, *Blattella germanica* 2917
toxicity, *Musca domestica* 3027
(1R)-*cis-trans*-against, *Pediculus capitis* 2010
 with tetramethrin, toxicity, *Musca domestica* 1273
resistance, *Musca domestica* 1733
- 1-Phenoxy-8-alkoxy-2,6-octadienes**, effects, Culicidae 1528
- Phenoxybenzamine**, treatment, Scorpiones, stings 819
- 8-Phenoxy-3,7-dimethyl-2,6-octadienes**, effects, Culicidae 1528
- 3-Phenyl-3,4-dihydroxy-7,7-dimethylbicyclo[4.1.0]heptane**, synthesis 1940
- Phenylmethyl benzoate**, with lindane, against, *Sarcopes scabiei* 208
- Pherbellia cinerella*
 biology, development 739
 ecology 740
 Irish Republic 740
- Pherbellia ventralis*
 ecology 740
 Irish Republic 740
- Pheromones**
 Nicrophorus vespilloides 972
 queen recognition pheromones, *Solenopsis invicta* 3328-3329
- Phidippus*, man, bites 1493
- Philippines**
 Chrysomya schoenigi 1148
 Dermacentor steini 1805
 Lernaea 3231
 Lukoschuscoptes asiaticus 2215
 Onthophagus 980
 Toxorhynchites neppenthis 1626
 Vespa luctuosa 1428
- Philoliche*, Zambia 2691
- Philonthus*, prey, *Haematobia thirouxi* 3011
- Philonthus decorus*
 carrion, UK 986
 prey, *Nicrophorus vespilloides* 986
- Philopterus sturni*, birds, Belgium 586
- Phlebotominae**
 books 577
 man, French Guiana 80
 morphology, chaetotaxy 2372
 research
 reviews 575
 techniques 935
- Phlebotomus*
 biology, reviews 2365
 caves, China 697
 China 701
 distribution, Jordan 2085
 Leishmania 1677
 reviews 934, 2364
 transmission 701
 rearing techniques 1677
 Turkey 1677
- Phlebotomus alexandri*
 China 454
 distribution, Spain 2672
 Leishmania donovani, transmission 454
- Phlebotomus andrejevi*
 Leishmania major 698
- Rhombomys opimus*, USSR 698
- Phlebotomus argentipes*
 behaviour, activity 933

- Phlebotomus argentipes** cont.
blood-meals, identification 932
buildings, India 933
control, insecticides 449
dwellings, India 449
hosts, India 932
Nepal 699
- Phlebotomus ariasi**
distribution, Spain 2672-2673
ecology, survival 452
France 452
honeydew, sugars 453
Leishmania donovani, transmission 452
Quercus ilex, France 453
rearing techniques 84
- Phlebotomus bergeroti**, mites 2081
- Phlebotomus caucasicus**
Leishmania donovani, transmission 1680
Leishmania major 698
Rhombomys opimus, USSR 698
- Phlebotomus chabaudi**, distribution, Spain 2673
- Phlebotomus chinensis**
control, insecticides 1374
villages, China 1374
- Phlebotomus duboscqi**
biology, development 82
Leishmania major, transmission 82
- Phlebotomus fortunatarum**, Canary Islands 2086
- Phlebotomus kiangsuensis**, distribution, China 696
- Phlebotomus langeroni**
behaviour, feeding behaviour 1684
ecology, seasonal abundance 1683
Egypt 1685
habitats, Egypt 1683
Leishmania, infection 1685
Leishmania donovani, transmission 1683
Leishmania major, infection 2989
man, Egypt 1684
taxonomy, larvae 703
- Phlebotomus longicuspis**, distribution, Spain 2672-2673
- Phlebotomus longiductus**, *Leishmania donovani*, transmission 1680
- Phlebotomus major major**, taxonomy 85
- Phlebotomus major wui**, taxonomy, raised to *Phlebotomus wui* 85
- Phlebotomus mongolensis**
China 454
Leishmania major 698
Rhombomys opimus, USSR 698
- Phlebotomus papatasi**
behaviour
activity 1681
feeding behaviour 1684
blood-meals, identification 932
control, insecticides 449
distribution, Spain 2672-2673
DNA probes 1375
dwellings, India 449
ecology, seasonal abundance 1683, 2084
Egypt 1685
habitats, Egypt 1683, 2084
hosts, India 932
Israel 259
Leishmania, infection 1678, 1685, 1691, 2668
Leishmania donovani, transmission 1680, 1683
- Leishmania major**
infection 2989
transmission 1375
Tunisia 2987
- man
Egypt 1684
Yugoslavia 1109
mites 2081
Nepal 699
physiology, lectins 1678
rearing techniques 2908
rodent burrows, Israel 1681
sampling 259
sandfly fever (Naples) virus, transmission 1109
urban areas, Egypt 2025
- Phlebotomus perfiliewi**
Italy 258
Leishmania donovani 258
Phlebovirus, Italy 1110
- Phlebotomus perfiliewi perfiliewi**, breeding places, Italy 931
- Phlebotomus perniciosus**
breeding places, Italy 931
distribution, Spain 2672-2673
dogs, Italy 450
Leishmania donovani, infection 450
Phlebovirus, Italy 1110
taxonomy 85
- Phlebotomus sergenti**
Canary Islands 2086
distribution, Spain 2672-2673
Nepal 699
- Phlebotomus smirnovi**
Leishmania donovani, transmission 1680
taxonomy 85
- Phlebotomus tumenensis**, distribution, China 696
- Phlebotomus wui**, taxonomy, raised from *Phlebotomus major wui* 85
- Phlebotomus yunshengensis**
distribution, China 696
taxonomy, new species 696
- Phodopus roborowskii**, *Amphipsylla longispina*, China 610
- Pholcus ancoralis**, prey, Araneae 837
- Pholcus phalangioides**
behaviour, predation 2231
prey, Araneae 837
- Phoneutria nigriventer**
venoms
effects
laboratory animals 822
rats 821
- Phoniomyia davisi**, habitats, Brazil 75
- Phoniomyia deanei**, habitats, Brazil 75
- Phoridae**
hosts, *Solenopsis invicta* 2760
Iraq 272
Oryctolagus cuniculus, Italy 871
- Phormia regina**
Entomophthora muscae, pathogenicity 962
man
maggot therapy 2134
myiasis 1736
morphology, larvae 1417
physiology
chemoreceptors 2140
feeding 2711
haemolymph, proteins 2396
reproduction 1756
taste 960
taste sensitivity 2710
trehalose, metabolism 3021
vitellogenesis 3081
ultrastructure
eggs, integument 2732
reproductive system 1756
- Phormia terraenovae**
amitrole, effects 3082
biochemistry, dipterins, characterization 1159
cadavers, Finland 1171
cattle housing, USSR 716
control
insecticides 2743
integrated control 716
forensic entomology 1171
furbearing animals, USSR 2743
morphology, larvae 1417
physiology
cardiac output 3064
immune system 124, 1159
- Phormidium fragile**, malathion, degradation 1965
- Phormidium tenue**, pyrethroid insecticides, effects 1045
- Phortica variegata** (see *Amiota variegata*)
- Phosalone** (*S*-[(6-chloro-2-oxo-3(2H)-benzoxazolyl)methyl] *O,O*-diethyl phosphorodithioate)
against, Phthiraptera 2006
toxicity
Boophilus microplus 995
Hyalomma anatomicum 536
- Phosmet** (*S*-[(1,3-dihydro-1,3-dioxo-2*H*-isoindol-2-yl)methyl] *O,O*-dimethyl phosphorodithioate)
against
Amblyomma americanum 795
ectoparasites 200
Sarcoptiformes 1852
toxicity, *Amblyomma maculatum* 3148
- Phosphomidon** (2-chloro-3-(diethylamino)-1-methyl-3-oxo-1-propenyl dimethyl phosphate)
effects
Metapenaeus monoceros 863
mice 2293
penetration, *Periplaneta americana* 12
- Phoxim** (4-ethoxy-7-phenyl-3,5-dioxa-6-aza-4-phosphoact-6-ene-8-nitrile 4-sulfide)
against
Sarcopeltis scabiei 197
Sarcoptiformes 345
- Phthiraptera**
cattle, skin diseases 1557
game birds, South Africa 1308
pets, skin diseases 2252
small mammals, Czechoslovakia 350
vectors, human immunodeficiency virus, transmission 557
- Phumosia**, taxonomy, keys 1540
- Physiology**
- Acheta domesticus*
 - nervous system 2160
 - nutrition 3127
 - oviposition 3128
 - water relations 2748
 - Aedes*, immune system 1608
 - Aedes aegypti*
 - cuticle 67
 - ecdysteroids, biosynthesis 2633
 - excretion 2959
 - immune response 242
 - olfaction 1663
 - oocytes, protein transport 2356
 - reproduction 1080
 - Aedes taeniorhynchus*, nutrition 646
 - Amblyomma americanum*
 - aging 787
 - endocrine system 1459
 - salivary glands 1838
 - Amblyomma hebraicum*, ecdysteroids, metabolism 2427
 - Androctonus australis*, nervous system 2446
 - Anopheles stephensi*, digestive system 1106
 - Argas arboreus*, digestion 3154
 - Armigeres subalbatus*, immune system 2979
 - arthropods
 - cold tolerance 389
 - cuticle, water relations 2892
 - mechanoreceptors 2129
 - vision 2896
 - Blattaria*, neuroendocrine system 1068
 - Blattella germanica*
 - neuroendocrine system 1060
 - vision 1058
 - Boettcherisca peregrina*
 - chemoreceptors 2723
 - immune system 971, 1413, 3046
 - vision: 2120
 - Boophilus microplus*
 - respiration 1465
 - water relations 991
 - Calliphora stygia*, vision 274
 - Calliphora vicina*
 - development 495
 - flight 717
 - taste 2137, 2139
 - vision 499, 1165, 1737, 2128, 2142, 3070, 3078-3079
 - Calliphora vomitoria*, taste sensitivity, cardiac output 2737
 - Chironomus*, immune system 2735
 - Circellium bacchus*, ectothermy 2150
 - Culex nigripalpus*, digestion 2347

Physiology cont.

- Culex pipiens*
 - endocrine system 2653
 - feeding, regulation 40
- Culex tarsalis*, nutrition 2954
- Culex tritaeniorhynchus*, reproduction 445
- Culicidae**
 - feeding 2953
 - flight, sounds 2062
 - haemaphagy 1081
 - immune system 2031
- Dermacentor variabilis*, endocrine system 1829
- Dermatophagoïdes pteronyssinus*, nutrition 2800
- Diptera**, vision 3077
- Eristalis tenax*, vision 1738
- Glossina**
 - immune system 2997
 - olfaction 2102
 - Glossina austeni*, cuticle 2380
 - Glossina morsitans*
 - digestion, lipids 2690
 - immune system 2688, 2692
 - protein transport 2996
 - sex pheromones, receptors 1119
 - Glossina palpalis*, digestion 1709
 - haematophagous arthropods, reviews 1052
 - Hyalomma dromedarii*, endocrine system 1807
 - insects**
 - ageing 869
 - circadian rhythm, reviews 2307
 - cold hardening 580
 - cold resistance 2901
 - immune system 2915
 - photoperiodism, models 581-583
 - thermoregulation 2891
 - tissue culture, vitellogenesis 1293
 - vision 1552, 2127
 - invertebrates, epithelium 2306
 - Ixodes dammini*, feeding 3140
 - Ixodes uriae*, cold tolerance 2786
 - Ixodidae, water relations 1836
 - Leteris quinquestriatus*, ecdysteroids 551
 - Lucilia cuprina*, vision 275
 - Musca*, cuticle 2119
 - Musca domestica**
 - ageing 151
 - circadian rhythms 968
 - digestion 289, 297, 1759
 - endocrine system, vitellogenesis 2736
 - orientation 1164
 - sex pheromones, metabolism 2399
 - Musca vetustissima*, reproduction 136-137
 - Nauphoeta cinerea*, reproduction 1578
 - Neobellieria bullata*
 - immune system 3058
 - muscles 745
 - vitellogenesis 3066
 - Nowickia*, flight, thermoregulation 734
 - Parasarcophaga crassipalpis*, cold tolerance 958, 1150
 - Periplaneta americana**
 - amino acids, uptake 9
 - behaviour, escape response 2509
 - chemical composition 2001
 - feeding 2314
 - immune system 876, 1574, 1994
 - locomotion 400
 - metabolism 881
 - musculoskeletal system 2517
 - nervous system 396, 398, 1066, 1069, 1997-1998, 2000, 2317, 2513-2514, 2924, 2928
 - neuroendocrine system 1062
 - olfaction 1999
 - sense organs, locomotion 877
 - sensilla 2003
 - stress 1570
 - water relations 399
 - Phlebotomus papatasii*, lectins 1678
 - Phormia regina*
 - chemoreceptors 2140
 - feeding 2711
 - reproduction 1756

Physiology cont.

- Phormia regina* cont.
 - taste 960
 - taste sensitivity 2710
 - trehalose, metabolism 3021
 - vitellogenesis 3081
- Phormia terraenovae*
 - cardiac output 3064
 - immune system 1159
- Pulicidae**, vision 1330
- Rhodnius prolixus*
 - digestion 2015
 - excretion 21, 2532
 - immune system 2940
 - Malpighian tubules, septate junctions 2325
 - moultling 2527
 - nervous system 1326
 - neuroendocrine system 16, 2528
 - reproduction 2323
- Rhiparobia maderae*
 - accessory glands 224
 - circadian rhythms 880, 1318-1319, 1322
 - neuromuscular system 2923
- Scorpiones**, circadian rhythms 1490
- Sergentomyia arpakensis*, digestion 257
- Solenopsis invicta*, pheromones, development 1180
- Stomoxys calcitrans*
 - digestion 290
 - haemolymph, proteins 2396
- Theraphosidae**, muscles 1255
- Vespa orientalis*, cuticle 1441
- Xenopsylla cheopis*, water relations 2944
- Physostigmine**, against, *Pthirus pubis* 1072
- Phytotelmata**
 - ecology, food chains 390
 - fauna
 - Indonesia 1054
 - Venezuela 891
- Picnoseus nigropictus*, taxonomy, new combination 2756
- Picornaviridae**, reviews 2255
- Picrasma quassioides*, extracts, *Periplaneta americana* 1991
- Pictyl** (see Fenoxycarb)
- Pig housing**
 - arthropods, German Federal Republic 1761
 - Musca domestica*, USSR 282
- Pig manure**
 - Musca domestica* 149
 - Bulgaria 1389
- Pigeons** (*Columba livia*)
 - DDT, effects 3311
 - Dermanyssus gallinae*, Massachusetts 2227
 - Dermanyssus hirundinis*, USSR 800
 - ectoparasites, Belgium 586
 - Hypoderes propus*, Italy 2809
 - monocrotophos, effects 3323
 - Pseudolynchia canariensis*, India 2387
- Pigs** (*Sus scrofa domestica*)
 - African swine fever virus
 - Malawi 3168
 - vectors 1817
 - Amblyomma cajennense*, Brazil 315
 - arboviruses, India 1026
 - Astigmatida, skin diseases 542
 - Calyptra*, Thailand 1426
 - Culex pipiens*, China 54
 - Culicoides variipennis*, California 446
 - Culiseta inornata*, Manitoba 2563
 - Dermacentor steini*, South East Asia 1805
- Diptera**
 - German Democratic Republic 487
 - myiasis 1421, 2704
 - ectoparasites
 - Indiana 1246
 - reviews 1307
 - skin diseases 200, 1848
 - ethaphos, effects 282
- Glossina**
 - Burkina Faso 461
 - Congo 1716
 - Ivory Coast 2097
 - Glossina fuscipes*, Congo 1715
- Glossina palpalis**
 - Congo 266
 - Liberia 2378
- Haematopinus suis*, Indiana 2936
- insecticides, poisoning 570
- Japanese encephalitis virus
 - India 908
 - Japan 1504
- Musca domestica* 956
- Sarcopeltis scabiei*
 - liveweight gains 321
 - skin diseases 1851, 2203, 2430
 - Solomon Islands 1911
- Stomoxys calcitrans* 2701
 - liveweight gains 1152
- Pila globosa*, endosulfan, effects 3313
- Pimephales promelas*, insecticides, toxicity 3305
- Pine tar oil**, repellents, *Hydrotaea irritans* 1157
- Pintomyia**
 - biology, behaviour 96
 - Brazil 93
 - hosts, Brazil 96
- Pioneeria damastesalis*
 - behaviour, feeding behaviour 3090
 - hosts, Australasia 3090
- Piophila casei*
 - cadavers, Hawaii 1412
 - carrion, Hawaii 1548
 - control, insecticides 2743
 - furbearing animals, USSR 2743
 - genetics, enzymes 1401
 - man, myiasis 951
 - Pakistan 951
- Piophila vulgaris* (see *Parapiophila vulgaris*)
- Piophilidae**, carrion, South Africa 1299
- Piper aduncum*, extracts, *Boophilus microplus* 165
- Piper fadyenii*, extracts, *Boophilus microplus* 165
- Piper hispidum*, extracts, *Boophilus microplus* 165
- Piper nigrum*, extracts, *Musca domestica* 2739
- Piperonyl butoxide** (5-[2-(2-butoxyethoxy]ethoxy)methyl]-6-propyl-1,3-benzodioxole)
 - pyrethroid insecticides, synergism 3027
 - synergism 11, 2059-2060
- Pipistrellus babu*, *Cacodmus indicus*, Bangladesh 122
- Pipistrellus kuhli*, Toscana virus, Italy 1110
- Pipistrellus pipistrellus*
 - Argas vespertilionis*, UK 3166
 - insecticides, effects 3297
 - lindane, effects 3304
 - Nanacarus minutus*, German Federal Republic 809
 - Nycteribia kolenati*, German Federal Republic 488
- Pirimiphos-methyl** (*O*-[2-(diethylamino)-6-methyl-4-pyrimidinyl] *O,O*-dimethyl phosphorothioate)
 - against, *Anopheles* 2030
 - toxicity, rats 3318-3319
- Pisterotarsa gigantea*, *Moniliformis moniliformis*, infection 2405
- Pistia stratiotes**
 - Mansonia*, substrates 678
 - Mansonia titillans*, substrates 1079
- Pitymys ochrogaster*, Ixodidae, Tennessee 1832
- Pitymys pinetorum*, Ixodidae, Tennessee 1832
- Plagiorchis noblei*
 - hosts
 - Aedes aegypti*
 - host parasite relationships 2969
 - infectivity 2618
 - Culicidae, susceptibility 2561
 - Microtus pennsylvanicus* 1084
 - intermediate hosts, *Aedes aegypti*, infection, susceptibility, predators 1084
- Plague** (see also *Yersinia pseudotuberculosis* subsp. *pestis*)

Plantations

Bacillus thuringiensis, India 906
Simulium, Liberia 1113

Plasmodium

Asia, bibliographies 1535
 audiovisual aids 1334
 control, Iran 2588
 man

Brazil 1263
 epidemiology 2975
 South Africa 2976
 vectors
Anopheles 1607
 detection 2658
 transmission 49, 53, 55, 686,
 1668, 2338
 models 2949

Anopheles aconitus, transmission
 2333

Anopheles culicifacies 70
 India 2544
 transmission 2543

Anopheles culicifacies complex 672
Anopheles stephensi 675

Culicidae
 bibliographies 576
 transmission 250, 919
 models 1659

Plasmodium berghei, vectors, *Anopheles stephensi*, infection 619, 1666, 2654

Plasmodium chabaudi

vectors
Aedes aegypti, host parasite relationships 2948
Anopheles stephensi, infection 2540

Plasmodium cynomolgi

vectors
Anopheles dirus, survival 2541
Anopheles gambiae, selection, refractoriness 2336
Anopheles stephensi, infection 2947

Plasmodium falciparum

Anopheles, Guam 2569
 deltamethrin, effects 1610
 detection, ELISA 2067
 epidemiology, Vanuatu 2335
 hosts, *Anopheles*, transmission 2574
 vectors

Anopheles 77, 415, 2030
 detection 2343
 India 2077
 infection 2067, 2656
 Peru 2594
 transmission 1333, 1609
 vectorial capacity 2963

Anopheles arabiensis, transmission
 2973

Anopheles balabacensis, transmission 432
Anopheles farauti, transmission 1615, 2335

Anopheles freeborni, transmission 1665
Anopheles funestus, Madagascar 2970

Anopheles gambiae
 detection, ELISA 2971
 selection, refractoriness 2336

Anopheles punctulatus complex, detection, ELISA 2547
Anopheles sergentii, vectorial capacity 2570

Anopheles stephensi
 detection, ELISA 2968
 infection 2978

Plasmodium floridense, vectors, *Culex erraticus*, transmission 2557

Plasmodium gallinaceum, vectors, *Aedes aegypti*, infection 619, 2539

Plasmodium inui, vectors, *Anopheles dirus*, infection 2340

Plasmodium malariae
 Culicidae, detection, ELISA 1091
 vectors

Anopheles 415
 transmission 1333

Plasmodium mexicanum, vectors, *Lutzomyia vexator*, transmission 2674

Plasmodium ovale, vectors, *Anopheles gambiae*, selection, refractoriness 2336

Plasmodium vivax

epidemiology, Vanuatu 2335
 hosts, *Anopheles*, transmission 2574
 vectors
Anopheles 77, 415
 infectivity 2029
 transmission 241, 1333, 1609
Anopheles farauti, transmission 1615, 2335
Anopheles gambiae, selection, refractoriness 2336
Anopheles punctulatus complex, detection, ELISA 2547
Anopheles sergentii, vectorial capacity 2570
Anopheles sinensis
 infection 1337
 transmission 440, 1338, 1622
Anopheles tessellatus, infectivity 2974

Plasmodium yoelii yoelii

deltamethrin, effects 1610
 vectors
Anopheles dirus, infection 435
Anopheles stephensi, infection 1610

Platycentrus radiatus, disfubenzuron, effects 3316

Platypodia granulosa, toxins, effects, nervous system 2825

Platytropesa, taxonomy, keys 1540

Pleidae, Iberian Peninsula, catalogues 2327
Pleocheatis exilis, rodents, New Mexico 585

Plocopsylla athena

Rhyncholestes raphanurus, Chile 2535
 taxonomy, new species 2535

Plocopsylla kilya

rodents, Peru 2535
 taxonomy, new species 2535

Plocopsylla nungui

rodents, South America 2535
 taxonomy, new species 2535

Plocopsylla viracocha

rodents, Chile 2535
 taxonomy, new species 2535

Pneumonyssus simicola, *Macaca nemestrina*, respiratory diseases 1858, 2198

Podhomala fausti, *Moniliformis moniliformis*, infection 2405

Podiceps grisegena, *Pseudomonopon pilosum*, Canada 2932

Podocnemis pacificum, distribution, Ontario 3205

Poecilia reticulata

bacterial insecticides, effects 78
 behaviour, foraging 1986
 cadmium, effects 1168
 carbaryl, toxicology 568
Plagiorchis noblei 1084
 prey, Culicidae 674

Poecilocichirus

poultry droppings 3034
 prey, *Musca domestica* 3034
 taxonomy, keys 3191

Poecilocichirus monospinosus

poultry droppings, North Carolina 3191

prey, *Musca domestica* 3191
 taxonomy, new species 3191

Pogonomyrmex, man, hypersensitivity 1437, 2410

Pogonomyrmex badius

biology 973
 stings, man 973
 venoms, characterization 1427

Pogonomyrmex californicus, predators 3216

Pogonomyrmex montanus, ecology, energy relations 2761

Pogonomyrmex rugosus, ecology, energy relations 2761

Pogonomyrmex subnitidus, ecology, energy relations 2761

Poisoning
 Araneae, man 3217

Arge pullata, sheep 303
 coumaphos, rats 1534

Epicauta, horses 1174
 man

arthropods 549
 diethyltoluamide 2874

Poisoning cont.

man cont.
 dimethoate 3307
 fenitrothion 859
 fenthion 2289
 insecticides 1948, 2290
 malathion 2481
 organophosphate insecticides 1274
 organophosphorus pesticides 3308
 pesticides 2486, 3301
 poisoning 3300
 pigs, insecticides 570
 rats, terbufos 1954

Poisonous animals, common names, indexes 1924

Poisons, research, history 574

Poland

Blattella germanica 395
Dermacentor reticulatus 779-780
 Diptera 746
Hystrichopsyllinae 1329
 rodents, ectoparasites 3204
Tabanidae 486
 tickborne encephalitis virus, epidemiology 1541

Polistes

man
 hypersensitivity
 immunotherapy 2154
 skin tests 3100
 morphology, wings, folding 3133
 venoms
 albumin, copolymers 2155
 biochemistry 1434

Polistes annularis, venoms, immunology, cross reactions 1774

Polistes erythrocephalus

Costa Rica 1763
 ecology 1763

Polistes exclamans

man, hypersensitivity 1772-1773
 venoms
 characterization 1771-1772
 immunology, cross reactions 1773

Polistes fuscatus

behaviour
 foraging 2163
 interactions 983

Polistes gallicus

man, hypersensitivity 3095
 Spain 3095

Polistes infuscatus, venoms, characterization 1427

Polistes pacificus, behaviour, social behaviour 3116

Polistes riparius

behaviour, dispersal 981
 Japan 981

Polistes snelleni

behaviour, dispersal 981
 Japan 981

Pollenia angustigena

, taxonomy, redescription 1394

Pollenia hungarica

Eisenia rosea, Holarctic Region 1394
 taxonomy, new species 1394

Pollenia longitheca

Mediterranean 1394
 taxonomy, new species 1394

Pollenia luteovillosa

North Africa 1394
 taxonomy, new species 1394

Pollenia pseudorudis

Eisenia rosea, Holarctic Region 1394
 taxonomy, redescription 1394

Pollenia rufa

Eisenia rosea, Holarctic Region 1394
 taxonomy, redescription 1394

Pollenia rufa group, Holarctic Region 1394

Polleniopsis, taxonomy, keys 1540

Polyarthra, lindane, effects 861

Polygenis bohlisi jordani, *Akodon arviculoides*, Brazil 30

Polygenis lakoi, mammals, Brazil 1558

Polygenis roberti, mammals, Brazil 1558

Polygenis trispis, *Akodon arviculoides*, Brazil 30

- Polygodial**, synthesis 3335
Polyphaga plancyi, dwellings, China 1309
Polyphagidae, checklists, Iran 1323
Polyplax auricularis, rodents, New Mexico 585
Polyplax serrata, *Apodemus agrarius*, Italy 588
Polyplax spinulosa, rodents, Egypt 608
Pompiidae
 behaviour, predation 1432
 morphology, wings, folding 3133
 venoms, biochemistry 1433
Ponds
 Culicidae
 Alberta 2565
 Louisiana 2616
Culicoides variipennis, Virginia 1674
Ponera exotica, USA 1787
Poropephalus
Macaca fascicularis 1900
 reptiles, pentastomiasis 2243
Portugal
 cattle, ectoparasites 2503
Cheiracanthium 3218
Haemaphysalis hispanica 325
 Heteroptera, catalogues 2327
 Thogoto virus 2248
Potassium, effects, *Musca domestica* 968
Poult.
 Diptera, myiasis 1421
J. nithomyssus bursa, Florida 814
Poultry droppings
Alphitobius diaperinus 3124
 arthropods 2902
 Massachusetts 1785
 Texas 713
 Diptera 277
 Malaysia 152
Fannia, California 147
 insects, Zimbabwe 3076
Musca domestica 1753, 2132, 3023
 biological control 280
 entomophilic nematodes 750
 predators 3034
 Zimbabwe 501
 Muscoidea 480
 California 472
Poecilocerus monospinosus, North Carolina 3191
Poultry housing
Alphitobius diaperinus
 Maryland 3112
 North Carolina 3110
Cimex hemipterus, Israel 22
Fannia canicularis, California 1751
Musca domestica
 British Columbia 2111
 Georgia 130
 Indiana 478
 Virginia 747
 Zimbabwe 1424
 Muscidae 3024
 South Carolina 481
Phlebotomus, Egypt 1683
Poultry manure, *Musca domestica* 149
Pour-on formulations
 cattle
Boophilus annulatus 3147
Boophilus microplus 2771
 ectoparasites 2005
 Ixodidae 2767
 Muscidae 2114
 Phthiraptera 2318
 dogs, *Ctenocephalides felis* 2329
 goats, *counaphos* 3326
 sheep, *Hydrotaea irritans* 2115
Poxviridae, reviews 2255
Praomys natalensis, *Aedes aegypti* 1104
Prazosin, treatment, man, Scorpiones, stings 1491
Precocene II
 effects
Blattella germanica 1577
Panstrongylus megistus 885
Triatoma infestans 17
Precocenes, mode of action 1971
Priacanthus hamrur, *Nerocila depressa*, Indian Ocean 1497
Primates, Ixodoidea, Somalia 313
Pro-Drone (see 1-(8-Methoxy-4,8-dimethylnonyl)-4-(1-methylethyl)benzene; 1-(8-Methoxy-4,8-dimethylnonyl)-4-(1-methylethyl)benzene)
Procambarus clarkii
Lagenidium giganteum, pathogenicity 3260
 pesticides, toxicity 2592
Procavia capensis
 ectoparasites, South Africa 2310
Ixodes matopi, Zimbabwe 3156
Procaviidae, *Argas brumpti*, Zimbabwe 3155
Procaviopsylla creusa, *Procavia capensis*, South Africa 2310
Proctoelaps vanderbergi, man, bites 3203
Proctophyllodes anthi, birds, Italy 164
Proctotrupoidea, behaviour, parasitism 1432
Procyon lotor
Borrelia burgdorferi, Wisconsin 525
 Jamestown Canyon virus, USA 1629
Proechimys dimidiatus, ectoparasites, Brazil 1558
Progne subis, *Ornithocoris pallidus*, Mississippi 1599
Pronolagus crassicaudatus, *Ixodes matopi*, Zimbabwe 3156
Propanolol, treatment, Scorpiones, stings 819
Propargite (2-[4-(1,1-dimethylethyl)phenoxyl]cyclohexyl 2-propynyl sulfite) against, *Ixodes persulcatus* 759
Propetamphos ((E)-1-methylethyl 3-[(ethylamino)methoxyphosphinothioyl]oxy]-2-butenoate) against
Ctenophoridae 2943
 Ixodoidea 2192
Periplaneta americana 2004
Rhipicephalus appendiculatus 179
 Sarcoptiformes 345
 toxicity
Haemaphysalis intermedia 1198
 Ixodidae 1468
Propionaldehyde O-[2-(4-phenoxyphenoxy)ethyl]oxime, against, *Culex quinquefasciatus* 670
Propionaldoxime-O-4-phenoxyphenoxyethyl, against, *Culex quinquefasciatus* 916
Propionibacterium acnes, mucocutaneous lymph node syndrome 1506
Propoxur (2-(1-methylethoxy)phenyl methylcarbamate) against
Amblyomma americanum 795
Blattella germanica 1315
Periplaneta americana 2004
 analysis 2280
 blood-meals, effects, *Culex pipiens* 245
 effects
Blattella germanica 10
 dogs 2296
 irritancy, *Blattella germanica* 594
 residues, dwellings 3321
 resistance
Aedes aegypti 1655
Blattella germanica 395, 593
Culex pipiens 2059
 susceptibility
Anopheles pulcherrimus 36
Anopheles superpictus 624
 Culicidae 923
 toxicity, Culicidae 2592
 with dichlorvos, against, *Dermatophagooides pteronyssinus* 1864
Prosevania punctata
 against, *Blatta orientalis* 874
 dwellings, Virginia 874
Prosimulum, man, USA 2991
Prosimulum decemarticulatum, Trichomycetes 3258
Prosimulum hirtipes
 biology, behaviour 98
 streams, Switzerland 98
Prosimulum mixtum
 behaviour, host searching 708
Prosimulum mixtum cont.
 cattle, Newfoundland 708
 ecology, environmental factors 708
Prosimulum mixtum group, rearing techniques 2678
Prosimulum onychodactylum, Trichomycetes 3258
Prosimulum tomosvaryi, livestock, bites 456
Prosimulum yezoense
 distribution, Japan 705
 Japan 100
Prostaglandins, analytical methods, liquid chromatography 2906
Prostigmata
 coasts, UK 1484
 predators 1873
Proteocephalus, intermediate hosts, Copepoda, infection 1904
Proteus mirabilis
Cochliomyia hominivorax, antibacterial agents 733
 vectors, Diptera, transmission 1161
Proteus morganii (see *Morganella morganii*)
Proteus rettgeri (see *Providencia rettgeri*)
Proteus vulgaris, vectors, Diptera, transmission 1161
Protocalliphora azurea
 birds, UK 957
 morphology, eggs 957
Protophormia terraenovae (see *Phormia terraenovae*)
Protozoa, vectors, Ixodoidea 314
Protellus, taxonomy, keys 1310
Protellus dalei
 hosts, *Celatoblatta* 1310
 New Zealand 1310
 taxonomy, new species 1310
Protellus dixoni
 hosts, *Drymaplaneta variegata* 1311
 New Zealand 1311
 taxonomy, new species 1311
Providencia rettgeri
 attractants, *Cochliomyia hominivorax* 1149
 vectors, Diptera, transmission 1161
Providencia stuartii, *Bovicola ovis*, nutrition 1325
Przhevalskiana silenus
 control, insecticides 1721
 goats, myiasis 468, 1721
 Italy 468
Psammomys obesus, burrows, *Phlebotomus papatasii*, Israel 1681
Pseudolynchia canariensis
 biology, development 2387
Haemoproteus columbae, transmission 2387
 pigeons, India 2387
Pseudolynchia garzettiae, *Caprimulgus europaeus*, UK 1395
Pseudomenopon pilosum
 birds, Canada 2932
Pelecitus fulicaeatrae, transmission 2932
Pseudomonas, metabolites, toxicity, *Aedes aegypti* 2263
Pseudomonas fluorescens, hosts, *Aedes aegypti*, pathogenicity 620
Pseudomonas maltophilia, oviposition attractants, *Culex pipiens* 44
Pseudomonas stutzeri, *Bovicola ovis*, nutrition 1325
Pseudomugil signifer
 prey, Culicidae 2660
 salt marshes, Queensland 2660
Pseudomyrmex, venoms, pharmacology 1437
Pseudoscorpiones, Australia, catalogues 2883
Psilochorus sphaeroides, prey, Araneae 837
Psorophora albigena
 Argentina 1650
 blood-meals 1650
Psorophora ciliata
 Argentina 1650
 blood-meals 1650
 habitats, Brazil 75

- Psorophora columbiae**
behaviour, flight 2586
control 1366
growth regulators 2620
ecology
breeding places 2568
environmental factors 2623
Florida 2586
pesticides, toxicity 2592
rice fields
Arkansas 2620
Louisiana 2592, 2595, 2623
USA 1366
soybean fields, Texas 2568
- Psorophora confinis**
Argentina 1650
blood-meals 1650
habitats, Brazil 75
- Psorophora cyanescens**
Argentina 1650
blood-meals 1650
- Psorophora dimidiata**
Argentina 1650
blood-meals 1650
- Psorophora discrucians**
Argentina 1650
blood-meals 1650
- Psorophora ferox**
ecology, breeding places 617
standing water, North Carolina 617
- Psorophora horrida**, physiology, feeding 2953
- Psorophora pallescens**
Argentina 1650
blood-meals 1650
- Psorophora pseudomelanota**, habitats, Brazil 75
- Psorophora varinervis**
Argentina 1650
blood-meals 1650
- Psoroptes**
cattle
Italy 3211
skin diseases 2428
control, acaricides 201, 339, 1849-1850, 2428
domestic animals, immunity 2432
donkeys, skin diseases 1850
livestock, Saudi Arabia 201
rabbits, skin diseases 339
sheep, skin diseases 1849
- Psoroptes cuniculi**
morphology, mouthparts 2208
Oryctolagus cuniculus, Italy 871
rabbits
feeding behaviour 2208
skin diseases 3201
- Psoroptes equi**
control, acaricides 199
horses, skin diseases 199
- Psoroptes ovis**
buffaloes, skin diseases 1888
cattle
Africa 2206
Georgia 2930
immune response 1887
losses, hides and skins 2799
skin diseases 343-345, 1557, 2205, 2794, 2801, 3192
control, acaricides 345, 2201, 2206, 2431, 2792, 2794, 3209
cryofixation, biopsies 1872
Egypt 1888
France 2201
morphology, mouthparts 2208
sheep
feeding behaviour 2208
skin diseases 1872, 2201, 2431, 2792, 3209, 3213
Switzerland 1557
- Psoroptes**, against, Sarcoptiformes 2793
- Psychoda cinerea**
man, myiasis 951
Pakistan 951
- Psychodidae**, behaviour, dispersal 1545
- Psychodopygus**
man
Bolivia 90
French Guiana 80
- Psychodopygus ayozae** (*see Lutzomyia ayozae*)
- Psychodopygus carrai** (*see Lutzomyia carrai*)
- Psychodopygus carrai carrai** (*see Lutzomyia c. carrai*)
- Psychodopygus chagasi** (*see Lutzomyia chagasi*)
- Psychodopygus clastrei** (*see Lutzomyia clastrei*)
- Psychodopygus leonidasdeanei**
Brazil 92
taxonomy, new species 92
- Psychodopygus llanosmartinsi** (*see Lutzomyia llanosmartinsi*)
- Psychodopygus squamiventris maripaensis** (*see Lutzomyia s. maripaensis*)
- Psychodopygus squamiventris series** (*see Lutzomyia squamiventris series*)
- Psychodopygus squamiventris squamiventris** (*see Lutzomyia s. squamiventris*)
- Psychodopygus yucumensis** (*see Lutzomyia yucumensis*)
- Pterolichidae**, ostriches, skin diseases 3206
- Pteromyia volans**, *Monopsyllus forficulus*, China 615
- Pteropus giganteus**, *Cyclopodia sykesii*, Bangladesh 122
- Phthirus pubis**
control 599
insecticides 226, 1072
man
eye diseases 1072
skin diseases 226, 844, 1926, 2934
Tennessee 3300
morphology, scanning electron microscopy 2933
Texas 226
- Public health**, books 1049
- Puerto Rico**
Amblyomma arianae 1806
Boophilus microplus 988, 3145
livestock, ectoparasites 2185
mites 3202
- Pulex irritans**
dogs, Argentina 1990
Hemiteinus auritus, Iraq 1834
man, bites 1926
rodents, Egypt 2024
urban areas, Egypt 2025
- Pulex simulans**, Sciuridae, USA 2023
- Pulicidae**, morphology 1327
- Pulicoidea**, morphology, males, genitalia 890
- Pulp mill effluent**, *Culex tritaeniorhynchus*, India 907, 2071
- Puntius gonionotus**, insecticides, effects 1944
- Puntius ticto**, prey, Culicidae 674
- Pycnoscelus surinamensis**, dwellings, China 1309
- Pyemotes**, pets, skin diseases 2252
- Pyemotes tritici**
against, *Solenopsis invicta* 298
distribution, Puerto Rico 3202
toxins 332
characterization 2812
- Pyemotes ventricosus**, hosts, *Vespa velutina* 753
- Pyemotidae**, livestock housing, Czechoslovakia 544
- Pygmyphorus whitakeri**
Parascalops brevirostris, USA 3193
Sorex, New York 3194
- Pyractomena lucifera**
biology, development 3109
marshes, Florida 3109
- Pyrantel pamoate**, with trichlorfon, against, *Gasterophilus intestinalis* 471
- Pyrene**, phototoxicity, Culicidae 2567
- Pyrethrins**
against
Blattella germanica 2913
Ctenocephalides felis 2943
Diptera 487
ectoparasites 27
Ixodidae 2781
Pediculus 2009
Pediculus capititis 1586
- Pyrethrins cont.**
against *cont.*
Siphonaptera 26, 229
detection, gas liquid chromatography 378
resistance, *Blattella germanica* 11, 2917
synergism 11
Tanacetum cinerariifolium, extracts, liquid chromatography 3288
toxicity, *Musca domestica*, parasitoids 3062
with bendiocarb, resistance, *Blattella germanica* 11
- Pyrethroid acaricides**
against, *Ornithonyssus bursa* 814
resistance, *Boophilus* 330
- Pyrethroid insecticides**
against, *Hydrotaea irritans* 2115
deposition, monitoring, techniques 1046
effects, rats 2858
mode of action 1942
reviews 3295
structure-activity relationships 2122
toxicity
insects 589
Musca domestica 2122
- Pyrethroids**
effects, rats 3310
resistance, *Haematobia irritans* 133-134, 140
- Pyrethrum** (*see Pyrethrins*)
- Pyridostigmine**, *Musca domestica*, organophosphate insecticides, antagonists 2716
- Pyroglyphus africanus**, house dust, Brazil 210
- Pyrrhula pyrrhula**, mites, skin diseases 331
- Pythium**, hosts, Culicidae, pathogenicity 2043
- Python regius**, *Aponomma latum*, ectoparasitoses 2791
- Q fever** (*see also Coxiella burnetii*)
- Qatar**, insects, books 218
- Quarantine**, Ixodidae 1191
- Quassim**, effects, *Periplaneta americana* 1991
- Quercus ilex**, *Phlebotomus ariasi*, France 453
- Quinalphos** (*O,O-diethyl O-2-quinoxaliny phosphorothioate*)
effects, *Lepidocephalichthys thermalis* 3309
- Quintofos** (*O-ethyl O-8-quinoliny phenylphosphonothioate*)
against, Ixodidae 1210
- R-20458** (*see (E)-3-[5-(4-Ethylphenoxy)-3-methyl-3-pentenyl]-2,2-dimethyloxirane*)
- Rabbits**
Aedes aegypti, immunity 902
Amblyomma americanum, resistance 1818
Amblyomma variegatum, resistance 3151
Bacillus thuringiensis, toxicology 217
Boophilus microplus
immune response 784
rearing techniques 783
Cheyletiella parasitivorax, Yugoslavia 198
- Culicidae**
Argentina 1650
restraint 391
- Culicoides variipennis**, California 446
- Dermacentor andersoni**, resistance 170
- Dermacentor auratus** 771
- ectoparasites 1560
skin diseases 3201
- Hyalomma anatolicum** 2177
resistance 169, 3141
- insect repellents, effects 572
- insecticides, effects 3322
- Ixodidae**, immunity 171
- Lagenidium giganteum**, pathogenicity 1267
- Ornithodoros moubata**, immune response 529
- Psoroptes cuniculi**, feeding behaviour 2208

- Rabbits cont.**
- Rhipicephalus appendiculatus*, resistance 1824
 - Sarcopetes scabiei*, skin diseases 3210
 - Sarcophagidae, skin diseases 339
 - Tegenaria agrestis*, bites 836
 - Rabon** (see Tetrachlorvinphos)
 - Radfordia aethomys**
 - Aethomys namaquensis*, South Africa 3183
 - taxonomy, new species 3183
 - Radfordia aethomys chrysophila**
 - Aethomys chrysophilus*, Namibia 3183
 - taxonomy, new subspecies 3183
 - Raillietia caprae**
 - goats, ear diseases 346
 - Mexico 346
 - Rain forests**
 - Copris laeviceps*, Mexico 2149
 - Glossina palpalis*, Ivory Coast 1126
 - Phlebotominae, Venezuela 930
 - Rainbow trout**
 - Calliphora vomitoria*, diets 153
 - dichlorvos, effects 1902
 - insecticides, effects 1944
 - Lagenidium giganteum*, effects 3260
 - Lepeophtheirus salmonis*, Norway 1902
 - Rallicola irediiparvae**
 - Irediipara gallinacea*, New Guinea 1583
 - taxonomy, new species 1583
 - Rana hexadactyla**, *Kiricephalus pattoni* 2447
 - Rana ridibunda**, *Culex pipiens* 38
 - Ranatra dispar**, behaviour, predation 1298
 - Ranatra elongata**, prey, Culicidae 1644
 - Ranatra filiformis**
 - biology, reproduction 1082
 - prey, Culicidae 1082
 - Rape**, extracts, *Periplaneta americana* 7
 - Raphidura leucopygialis**, *Lukoschuscoptes asiaticus*, Malaysia 2215
 - Rasbora daniconius**, prey, Culicidae 909
 - Rats**
 - aldrin, metabolism 1955
 - Bacillus thuringiensis*, toxicology 217
 - bacterial insecticides, effects 78
 - camphechlor, effects 3317
 - cantharidin, effects 305
 - DDT, effects 3311
 - Dermatophagooides farinae*, immune response 357
 - diethyltoluamide, metabolism 571
 - ectoparasites 1560
 - equipment 1302
 - endosulfan, effects 2291
 - insect repellents, effects 572
 - Lagenidium giganteum*, pathogenicity 1267
 - monocrotophos, effects 3323
 - organophosphate insecticides, effects 3315
 - parathion
 - effects 1530
 - metabolism 383
 - pirimiphos-methyl, toxicity 3318-3319
 - pyrethroids, effects 2864, 3310
 - Tityus serrulatus*, toxins, effects 2232
 - vamidothion, metabolism 382
 - Rattus**, *Leishmania donovani*, India 2675
 - Rattus coxi** (see *Niviventer coxi*)
 - Rattus exulans**, *Xenopsylla cheopis*, Thailand 28
 - Rattus losea**, *Dermacentor taiwanensis*, Taiwan 789
 - Rattus norvegicus**
 - Androlaelaps fahrenholzi*, China 1479
 - ectoparasites, Egypt 608
 - Siphonaptera, Egypt 2024
 - Rattus rattoides exiguus**, *Trombiculindus quanzhouensis*, China 3176
 - Rattus rattus**
 - ectoparasites, Egypt 608
 - Siphonaptera, Egypt 2024
 - Ratua indica maxima**, *Ixodes petauristae*, India 1455
 - Ravap** (see Dichlorvos, with tetrachlorvinphos)
 - Ravinia**
 - cattle dung, Texas 2755
 - parasitoids 2755
 - Ravinia ventricosa**, parasitoids 2755
 - Rearing techniques**
 - Anopheles barberi* 2605
 - Anopheles sergentii* 2570
 - Aprostocetus hagenowii*, mass production 1314
 - Boophilus microplus* 783, 2773
 - Cochliomyia hominivorax* 119, 477, 1405, 3030
 - Ctenocephalides felis* 2537
 - Culex modestus* 658
 - Culicidae 2582
 - Cuterebra* 1048
 - Dermatobia hominis* 2106
 - ectoparasites 1302
 - Fannia canicularis* 1400
 - Glossina* 104, 1140-1141
 - Glossina brevipalpis*, mass production 1145
 - Glossina pallidipes* 1711
 - haematophagous arthropods 2908
 - Hyalomma* 1539
 - Lucilia cuprina* 1422, 1741
 - Lucilia sericata* 2714
 - Lutzomyia* 95, 2671
 - Lutzomyia trapidoi* 700
 - Mansonia* 678
 - Musca domestica* 490
 - Ornithodoros* 786
 - Ornithodoros coriaceus* 1830
 - Ornithonyssus sylviarum* 1880
 - Phlebotominae 935
 - Phlebotomus* 1677
 - Phlebotomus ariasi* 84
 - Simuliidae 2678
 - mass production 1693
 - Simulium* 2377
 - Simulium pertinax* 2679
 - Simulium pictipes* 1694
 - Theraphosidae 830
 - Topomyia yanbarensis* 1624
 - Red deer**
 - ectoparasites, skin diseases 1989
 - Hydrotaea irritans*, behaviour 1157
 - Redunca fulvorufula**, Ixodidae, South Africa 999
 - Reduviidae**
 - behaviour, feeding behaviour 604
 - books 577
 - man, hypersensitivity 2467
 - taxonomy, biosystematics 604
 - ultrastructure, eggs 604
 - Refuse tips**
 - Diptera
 - Brazil 2705
 - Malaysia 954
 - Musca domestica*, Japan 961
 - Phlebotomus*, Egypt 1683
 - Reindeer** (*Rangifer tarandus*)
 - Linguatula arctica*, Norway 212
 - parasites, reviews 2308
 - Reithrodontomys humulis**, Ixodidae, Tennessee 1832
 - Reithrodontomys megalotis**, *Michaelopus tridens*, California 3182
 - Relapsing fevers** (see also *Borrelia* spp.)
 - Reoviridae**, reviews 2255
 - Repellents**, assays, Blattaria 2920
 - Reports**
 - Australia, Waite Agricultural Research Institute 220
 - Canada
 - Aloerta, Lethbridge Research Station 458-460, 469-470, 571
 - Research Branch, Agriculture Canada 578
 - Denmark, Danish Pest Infestation Laboratory 3354
 - Japan, Mitsubishi-Kasei Institute 591, 741
 - Kenya
 - Agricultural Research Institute 101
 - International Laboratory for Research on Animal Diseases 711
 - New Zealand, Wallaceville Animal Research Centre 112
 - UK
 - House of Commons, Agriculture Committee 2491
 - Reports cont.**
 - UK cont.**
 - Tropical Development and Research Institute 1692, 1707
 - Tsetse Research Laboratory 104
 - Reproduction**
 - Calliphoridae, ovarian development 965
 - Cimex hemipterus*, spermatozoa, motility 2534
 - Culex pipiens*, autogeny 2058
 - Hypoderma*, gonotrophic development 3006
 - Latrodectus hasseltii*, fecundity 1254
 - Lucilia cuprina*, spermatozoa, utilisation 2738
 - Reptiles**
 - Ixodoidea, Somalia 313
 - Pentastomida, pentastomiasis 2243
 - Sergentomyia grekovi*, USSR 698
 - Resmethrin** ([5-(phenyl)methyl]-3-(2-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylate)
 - detection, gas liquid chromatography 378
 - resistance, *Culex pipiens* 2059
 - toxicity, Culicidae 2592
 - Respiratory diseases**
 - Acridiidae, man 2754
 - Dermatophagooides**
 - man 353, 1253, 1865, 2811, 3185
 - diagnosis 1863
 - Dermatophagooides pteronyssinus**, man 803, 1859, 1868, 2221, 3175, 3187
 - Drosophila melanogaster*, man 1742
 - insects, man 2468
 - Orthohalarache attenuata*, *Calothrinus ursinus* 806
 - Pneumonyssus simicola*, *Macaca nemestrina* 1858, 2198
 - Sternostoma tracheacolum*, aviary birds 331
 - storage mites, man 2220
 - Tokunagayusurika akamusi*, man 722
 - Restaurants**, Diptera, Texas 148
 - Retroviridae**
 - Drosophila melanogaster*, cell lines 1416
 - mucocutaneous lymph node syndrome 1506
 - vectors, arthropods, transmission 364
 - Retrovirus**, hosts, *Drosophila*, cell lines, replication 741
 - Reunion**, aquatic organisms, checklists 1055
 - Reviews**
 - Aedes*, Florida 641-654
 - allergies, house dust mites 356
 - Aphodius*, ecology 157
 - Apis mellifera*
 - biology 3101
 - venoms 1765
 - Araneae
 - bites, southern Africa 3217
 - entomogenous fungi 3228
 - man, bites 1493
 - arboviruses
 - epidemiology, Australia 1508
 - USSR 2452-2453
 - Artemisia*, chemistry 1042
 - arthropod parasites, South Africa 870
 - arthropods, overwintering 389
 - aviary birds
 - ectoparasites 1303
 - parasites 2311
 - Azadirachta indica*, chemistry 1272
 - Bacillus sphaericus* 668
 - bacterial insecticides, efficacy 1085
 - biological control 3280
 - population dynamics 3281
 - vectors 393
 - bluetongue virus, Australia 1107
 - Boophilus*, acaricide resistance 330
 - Borrelia burgdorferi* 1915
 - epidemiology 2830
 - man 1918
 - carrion, arthropods, community ecology 1300
 - cats, ectoparasites 2441

- Reviews cont.**
- cattle
 - ectoparasites 1304
 - parasites, Portugal 2503
 - Chrysomya*, invasions, America 2393
 - Cochliomyia hominivorax*, control 126
 - cold resistance, physiology 2901
 - copper, aquatic organisms 567
 - Coxiella burnetii*, epidemiology 1507
 - Culex*, diapause 1361
 - Culicidae**
 - agriculture 35
 - cell lines 1360
 - genetic control 2076
 - haemophagy 1081
 - cuticle, lipids 2893
 - DDE, egg shell defects 2860
 - dengue virus 1509
 - diethyltoluamide, toxicology 1285
 - Diptera**
 - cattle 1757
 - horses 2332
 - livestock 487
 - dogs, ectoparasites 2312
 - Drosophila melanogaster*, gene expression 2718
 - ecology, species diversity 2492
 - embryogenesis, insects 1543
 - Glossina*
 - control 1122
 - nontarget effects 1124
 - haematophagous arthropods, physiology 1052
 - Heteroptera**, pheromones 2011
 - house dust mites 2219
 - biology 1487
 - ecology 810
 - Hymenoptera, man, allergies 159
 - Hystrichopsyllinae*, Poland 1329
 - immunotherapy, man 1177
 - insect viruses 2255
 - insecticide resistance, selection 2850
 - insects
 - physiology, vitellogenesis 1293
 - thermal biology 2891
 - Istituto Superiore di Sanità**, research 575
 - Ixodoidea, diseases 185
 - Leishmania*, biology 2364
 - livestock
 - arthropods, Caribbean 2185
 - ectoparasites 1306
 - Lutzomyia*, *Leishmania*, transmission 1376
 - Lyme disease
 - Europe 2784
 - USA 1467
 - maggot therapy, man 2134
 - man, arthropods, Australia 1257
 - medical entomology, German Democratic Republic 573
 - Megninia*, biology 3207
 - morphology, nervous system 2302
 - mosquito-borne diseases
 - Bangladesh 1640
 - Fennoscandia 2355
 - mucocutaneous lymph node syndrome, epidemiology 1506
 - neurotransmitters, receptors 221
 - Onchocercidae, host parasite relationships 443
 - Paederus*, biology 1784
 - pesticides, immunotoxicity 3298
 - Phlebotominae**
 - biology 2365
 - Leishmania*, transmission 934
 - techniques 935
 - physiology, insects, circadian rhythm 2307
 - pigs, ectoparasites 1307
 - poultry mites, animal diseases 812
 - pyrethroid insecticides, mode of action 3295
 - Reduviidae**, biology 604
 - reindeer, parasites 2308
 - Retrovirus*, epidemiology 364
 - Rickettsia*, man 555
 - Rickettsiaceae 554
 - Sarcopess scabiei*
 - biology 3188
 - dogs 197
- Reviews cont.**
- Simuliidae, bites 456
 - small animals, envenomation, treatment 1514
 - Stomoxys calcitrans* 129
 - techniques, Rickettsiaceae, Ixodidae 760
 - tickborne diseases 1001
 - domestic animals 2826
 - epidemiology, monitoring 1233
 - Fennoscandia 2426
 - travel, diseases, spread 2827
 - Rhadinopsylla isacantha*, *Apodemus agrarius*, Italy 588
 - Rhinia**, taxonomy, keys 1540
 - Rhinoestrus latifrons**
 - Equus africanus*, myiasis 270
 - USSR 270
 - Rhinoestrus purpureus**
 - Equus africanus*, myiasis 270
 - USSR 270
 - Rhinoestrus usbekistanicus**
 - Equus africanus*, myiasis 270
 - USSR 270
 - Rhinolophus rouxi**, *Eyndhovenia euryalis*, China 2224
 - Rhinonissus**, game birds, South Africa 1308
 - Rhipicephalus**
 - cattle
 - India 2417
 - Malawi 1213
 - Zambia 2767
 - cell lines, *Besnoitia besnoiti*, infection 3164
 - control, acaricides 2, 2767
 - diseases, reviews 185
 - domestic animals, India 2
 - game birds, South Africa 1308
 - hosts, Somalia 313
 - iron naphthenate, toxicity 766
 - Italy 185
 - Theileria annulata*, transmission 2417
 - Thogoto virus 2248
 - Rhipicephalus appendiculatus**
 - acaricides, resistance 515, 1212
 - Africa, books 1289
 - antigens, characterization 1824
 - Burundi 1209, 1222
 - cattle
 - Africa 1191
 - Burundi 1209, 1229
 - Kenya 1225, 1235, 3172
 - liveweight gains 1241-1243
 - Malawi 1213
 - pest resistance 990, 1224-1226
 - South Africa 179
 - Tanzania 1210-1211
 - Zambia 515, 1212, 1239, 2767
 - Zimbabwe 309, 1214, 1231, 1238
 - cell lines
 - Leishmania*, infection 2765
 - ultrastructure, cells 2188
 - control 2418
 - acaricides 179, 309, 1195, 1210-1211, 1214, 2767, 3172
 - cost benefit analysis 1190, 1239
 - models 1190, 1192
 - distribution, simulation models 1230
 - ecology
 - distribution 1210
 - environmental factors 1218-1219, 1221-1222, 1229
 - seasonal abundance 1206
 - game animals, Botswana 1195
 - guineapigs, resistance 1470
 - Kenya 1218
 - monitoring, satellite surveys 1228
 - plant extracts, effects 2283
 - population ecology, simulation models 1217, 1220, 1223, 1227, 1231
 - rabbits, resistance 1824
 - South Africa 990
 - Theileria parva* 1211, 1238, 2418, 3172
 - infection 1235-1236, 2172
 - transmission 1228
 - Zambia 2789
 - Thogoto virus
 - infection 1000
 - transmission 2769
 - tickborne diseases 1209, 1212-1214
 - Rhipicephalus appendiculatus** cont.
 - zebu, Zimbabwe 1192
 - Zimbabwe 1206, 1219, 1221, 1226, 1230
 - Rhipicephalus bergeoni**, distribution, Sudan 993
 - Rhipicephalus bursa**
 - Babesia*, transmission 1794
 - Babesia ovis*, infection 2174
 - cattle, Spain 3165
 - parks, Italy 871
 - sheep, Israel 1794
 - Rhipicephalus camicasi**, distribution, Sudan 993
 - Rhipicephalus evertsi**
 - cattle
 - liveweight gains 1243
 - Malawi 1213
 - Sudan 1215
 - Tanzania 1210
 - Zimbabwe 309
 - cell lines, *Leishmania*, infection 2765
 - control, acaricides 309, 1210
 - ecology, distribution 1210
 - tickborne diseases 1213, 1215
 - Rhipicephalus evertsi evertsi**
 - cattle
 - Burundi 1229
 - pest resistance 990
 - ecology, environmental factors 1229
 - livestock
 - Saudi Arabia 2187
 - Senegal 519
 - South Africa 990
 - toxins, biochemistry, kinetics 3149
 - ultrastructure, porose areas, glands 992
 - Rhipicephalus evertsi mimeticus**
 - biology, environmental factors 785
 - ecology, environmental factors 1469
 - Rhipicephalus glabroscutatum**
 - ecology, seasonal abundance 999
 - goats, injuries 999
 - ruminants, South Africa 999
 - Rhipicephalus guilhoeni**
 - distribution, Sudan 993
 - livestock, Senegal 519
 - Rhipicephalus haemaphysaloïdes**
 - buffalo, India 1456
 - control, acaricides 1200
 - livestock, India 998
 - sheep, India 1200
 - Rhipicephalus kochi**
 - cattle, Tanzania 1210
 - control, acaricides 1210
 - ecology, distribution 1210
 - Rhipicephalus longus**
 - cattle, Cameroon 1843
 - control, acaricides 1843
 - Rhipicephalus lunulatus**
 - cattle
 - Cameroon 518, 1843
 - Tanzania 1210
 - control, acaricides 1210, 1843
 - ecology
 - distribution 1210
 - phenology 518
 - Rhipicephalus pravus group**
 - goats, paralysis 1813
 - hosts, South Africa 1813
 - Rhipicephalus pumilio**, livestock, USSR 765
 - Rhipicephalus pusillus**
 - cattle, Spain 3165
 - Oryctolagus cuniculus*, Italy 871
 - parks, Italy 871
 - Rhipicephalus sanguineus**
 - acaricides, resistance 534
 - Babesia*, German Federal Republic 2179
 - cattle, Queensland 1451
 - cell lines, *Spiroplasma*, propagation 1003
 - Congo virus 781
 - control 1816
 - acaricides 27, 2192
 - distribution, Yugoslavia 1199
 - dogs 27
 - Argentina 1990
 - India 998, 2192
 - Morocco 2309
 - Sudan 534, 993

- Rhipicephalus sanguineus** cont.
- ecology
 - environmental factors 1199
 - habitats 770
 - Hemiechinus auritus*, Iraq 1834
 - hosts, China 770
 - Monanema martini*, infection 2195
 - neutron radiation, effects 1809
 - proptemaphos, toxicity 1468
 - Rickettsia conorii* 1820
 - Theileria buffeli*, transmission 1451
 - West Africa 781
- Rhipicephalus sanguineus group**
- cattle, Sudan 1215
 - tickborne diseases 1215
 - Rhipicephalus senegalensis*, livestock, Senegal 519
 - Rhipicephalus simpsoni*
 - biology, development 2777
 - Thryonomys swinderianus* 2777
 - Rhipicephalus simus**
 - Anaplasma centrale*, transstadial transmission 2422
 - distribution, Sudan 993
 - South Africa 2422
 - Rhipicephalus sulcatus**
 - cattle, Cameroon 518, 1843
 - control, acaricides 1843
 - ecology, phenology 518
 - Lepus saxatilis*, Sudan 993
 - livestock, Senegal 519
 - Rhipicephalus turanicus**
 - biology 1007
 - buffaloes, India 1456
 - distribution, Sudan 993
 - horses 1007
 - livestock
 - Saudi Arabia 778, 2186-2187
 - USSR 765
 - Monanema martini*, infection 2195
 - sheep, USSR 324
 - Rhipicephalus zambeziensis**
 - cattle, Zimbabwe 309
 - control, acaricides 309, 1195
 - game animals, Botswana 1195
- Rhipiphoridae**, Israel 3135
- Rhodnius nasutus**, *Trypanosoma cruzi*, Brazil 2012
- Rhodnius neglectus**, *Trypanosoma cruzi*, Brazil 2012
- Rhodnius pallescens**, distribution, Costa Rica 606
- Rhodnius pictipes**, *Trypanosoma cruzi*, Brazil 2012
- Rhodnius prolixus**
 - allergens, RAST 2523
 - Blastoceridida triatomae*, pathogenicity 1592
 - c-AMP, oocytes 1596
 - development, regeneration 1597
 - ethoxyprecocene II, sensitivity 2016
 - fenoxycarb, effects 1074
 - genetics, chromosomes, meiosis 605
 - juvenile hormone I, binding 1075
 - morphology, neurosecretory cells 603
 - physiology
 - digestion 2015
 - endocrine system 16
 - excretion 21, 2532
 - immune system 1593, 2940
 - Malpighian tubules, septate junctions 2325
 - moulting 2527
 - nervous system 1326
 - neuroendocrine system 2528
 - reproduction 2323

Trypanosoma, detection 2529

Trypanosoma cruzi
 - transmission 2322, 2521
 - Venezuela 2018

Trypanosoma rangeli
 - Colombia 2013
 - infection 884, 1593
 - ultrastructure, midgut 601

Rhodnius robustus, *Trypanosoma cruzi*, Brazil 2012

Rhombomys opimus
 - burrows, Siphonaptera 4
 - Phlebotominae, USSR 698

Rhyncholestes raphanurus, *Plocopsylla athena*, Chile 2535

Rhynchophorus, insects as food 3102

Rhynchosciara americana, biochemistry, enzymes 2131

Rhyncophoromyia conica, behaviour, mating behaviour 1396

Rhyposocus phillipsae, *Sciurus carolinensis*, nests, Florida 3092

Rhyparobia maderae
 - azadirachtin, effects 880
 - biochemistry
 - diphenols 2507
 - leucokinins, characterization 2505-2506

physiology

 - accessory glands 224
 - circadian rhythms 880, 1318-1320, 1322
 - muscular system 225
 - neuromuscular system 2923
 - proctolin, effects 2922
 - tissue culture, physiology, vitellogenesis 1293

Rhytidelasma bicostata
 - Aratinga*, America 3195
 - taxonomy, new species 3195

Rhytidelasma cornigera
 - Aratinga holochlora*, Mexico 1483
 - taxonomy, new species 1483

Rhytidelasma mesomexicana, *Aratinga holochlora*, Mexico 1483

Rhytidelasma urophila
 - Aratinga holochlora*, Mexico 1483
 - taxonomy, new species 1483

Rhytidoponera metallica, biochemistry, chemical composition 1175

Rhyzopertha dominica, man, allergies 1511

Rice fields

 - Anopheles*
 - Louisiana 2612
 - Thailand 688
 - Anopheles quadrimaculatus*, Arkansas 2619
 - Bacillus thuringiensis*, India 906
 - Culex*, India 681
 - Culex antennatus*, Egypt 655
 - Culex quinquefasciatus*, Louisiana 1661
 - Culex tarsalis*, California 2645
 - Culicidae 35
 - California 2622, 2964
 - China 1096
 - Louisiana 2592
 - USA 1366
 - USSR 630
 - Gambusia affinis*, California 1367
 - Psorophora columbiae*
 - Arkansas 2620
 - Louisiana 2595, 2623

Rickettsia
 - Glossina* 1383
 - vectors
 - Amblyomma americanum*, prevalence 1803
 - ectoparasites 554-555
 - Ixodoidea 314

Rickettsia conorii
 - man, France 556, 1820
 - vectors
 - Amblyomma americanum*, prevalence 1803
 - Ixodoidea, reviews 1001

Rickettsia parkeri, vectors, *Amblyomma americanum*, prevalence 1803

Rickettsia rickettsii
 - man, New York 1840, 1917
 - vectors
 - Amblyomma americanum*, prevalence 1803
 - Dermacentor andersoni*, transmission 2834
 - Dermacentor variabilis*, transmission 1840
 - Ixodoidea, reviews 1001

Rickettsia sibirica
 - vectors
 - Amblyomma americanum*, prevalence 1803
 - Dermacentor nuttalli*
 - China 522
 - transmission 2176

Rickettsia tsutsugamushi
 - detection 1266
 - vectors, *Leptotrombidium*, Thailand 1855

Rickettsia typhi
 - detection 1266
 - vectors, *Xenopsylla cheopis*, transmission 2022

Rickettsiaceae, vectors, Ixodidae, infection 760

Rift Valley fever virus
 - epidemiology
 - Kenya 2032
 - Mauritania 3241
 - man
 - Botswana 368
 - Nigeria 1265
 - Zambia 3246
 - satellite imagery, remote sensing 2032
 - vectors
 - Aedes aegypti*, host parasite relationships 2948
 - Aedes juppi*, transovarial transmission 2065
 - Culex pipiens*, infection 2035, 2546
 - Culicidae
 - infection 1618
 - transmission 254, 1093

Rinal (see *Chlordecone*)

Ro 15-8630 (see 2-[4-(4-Fluorophenoxy)phenoxy]ethyl ethylcarbamate)

Ro 16-1295 (see 2-[4-(3-Fluorophenoxy)phenoxy]ethyl ethylcarbamate)

Ro 20-3600 (see (E)-5-[[5-(3-Ethyl-3-methoxyiranyl)-3-methyl-2-pentenyl]oxy]-1,3-benzodioxole)

Robertdolifusidae, *Ixodes dammini*, New York 1841

Rochalimaea, vectors, ectoparasites 554

Rocio virus, epidemiology, Brazil 213

Rocky Mountain spotted fever (see also *Rickettsia rickettsii*)

Rodent burrows
 - arthropods, ecology 4
 - Phlebotomus*, Egypt 1683

Rodents
 - Cuterebra*, North America 1048
 - Demodex*, Europe 1486
 - ectoparasites 1560
 - Brazil 1558
 - Czechoslovakia 350
 - USSR 587
 - Hyalomma*, South Africa 1197
 - Ixodidae, USSR 1196
 - Ixodoidea, Somalia 313
 - tickborne encephalitis virus, Czechoslovakia 1205

Romania
 - Anopheles maculipennis* complex 51
 - biogeography, maps 2728
 - Culicidae 66
 - Diptera 1161
 - Heptatoma pellucens* 2728
 - sheep, Diptera 2729

Romanomermis culicivorax
 - against
 - Anopheles* 629
 - Culicidae 50, 630
 - agricultural chemicals, effects 1661
 - biochemistry, enzymes 374
 - culture techniques 1612, 1929
 - hosts
 - Culex pipiens*, infection 1612
 - Culex quinquefasciatus* 1661

Romanomermis iyengari
 - hosts, *Culex tritaeniorhynchus*, infectivity 907
 - pollutants, effects 907

Romanomermis sichuanensis, hosts, *Anopheles sinensis*, infectivity 1097

Ronnel, toxicity, *Amblyomma maculatum* 3148

Ropalidia fasciata
 - behaviour, social behaviour 1780
 - Japan 1780

Ropalidia marginata, development, caste differentiation 1440

Ropalidia revolutionalis
 - behaviour, social behaviour 3098
 - Queensland 3098

- Ross River virus**
horses 2034
man, Papua New Guinea 371
vectors
Aedes, vector competence 2555,
2600
Culex annulirostris, transmission
689
Culicidae, transmission 2034
- Rotifera**
carbaryl, effects 2294
malathion plus lindane, effects 3306
- Roundup (see Glyphosate)**
- Rousettus aegyptiacus, Ornithodoros faini**, Zimbabwe 3155
- Royal jelly**, effects, rats 977-979
- Rubber plantations**, *Simulium yahense*, Liberia 709
- Rubidium**
effects
Musca domestica 968, 1419
Rhypharobia maderae 1318
- Rural areas**, *Culex*, California 2617
- Ryukyu Archipelago**, *Culex* 2591
- S-21149**, sterilization, *Glossina morsitans* 944
- S-31183** (see 2-[1-Methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine)
- Safrotin (see Protemaphos)**
- St. Christopher-Nevis**, *Aedes aegypti* 1655
- St. Louis encephalitis**
epidemiology
Colorado 560
Texas 918
- St. Louis encephalitis virus**
epidemiology, Brazil 213
man
Colorado 560
Florida 557
vectors
Culex, transmission 2951
Culex pipiens complex, transmission
2640
Culex quinquefasciatus, transmission 918
- Salannin**, liquid chromatography 3334
- Salmon**
Lepeophtheirus salmonis, Norway 553
trichlorfon, toxicity 553
- Salmonella**, foods, contamination 2832
- Salmonella gallinarum**, vectors, *Cimex lectularius*, transmission 2326
- Salsola vermiculata**, *Phlebotomus papatasi*, Israel 259
- Salt marshes**
Aedes, Florida 643
Aedes caspius, Italy 871
Aedes taeniorhynchus, Florida 645,
647, 1350
Aedes vigilax, Queensland 428
Culex sitiens, India 2650
Culicidae
Louisiana 2616, 2624
Queensland 2660
Tabanidae, USA 1147
- Salticus scenicus**, behaviour, feeding behaviour 3221
- Salvelinus fontinalis**, parasites, New Brunswick 3238
- Salvinia cucullata**, *Mansonia*, substrates 678
- Samorin (see Isometamidium chloride)**
- Sampling**
allergens, dwellings 1925
Amblyomma americanum, woodlands 1188
Amblyomma hebraicum 989, 1466
Anopheles quadrimaculatus, population density 2619
Anopheles sinensis 436
Boophilus microplus 988
cattle 3170
Chrysomya rufifacies, environmental factors 3067
Citellophilus tesquorum, *Spermophilus undulatus* 24
Cochliomyia hominivorax, pastures 3032
- Culex*, adults 2617
Culicidae 41, 1348
larvae 2607
- Sampling cont.**
- Culicoides* 256
Dermacentor variabilis 3143
Dermatophagoides farinae 2225
Haemaphysalis longicornis, pastures 2782
Hyalomma 1539
insects 1555
Lucilia cuprina 2145
Musca autumnalis 714, 749
Musca domestica, dairy farms 3041
Musca sorbens 1755
Musca vetustissima, cattle dung 3068
Ornithonyssus sylvarium, fowls 2808
Periplaneta americana 2927
Phlebotominae 935
Phlebotomus papatasi 259
Psorophora columbiæ, larvae 2595
- Sandfly fever (Naples) virus**
man
Egypt 562
Yugoslavia 1109
vectors, *Phlebotomus papatasi*, transmission 1109
- Sao Tome and Principe**, cattle, tickborne diseases 3173
- Saprolegniales**, hosts, *Culicidae*, prevalence 2565
- Sarcocystis chlorogaster**
refuse tips, Brazil 2705
taxonomy, larvae 2705
- Sarcophaga**
control, growth regulators 152
Malaysia 954
man, myiasis 2124
Nematoda, transmission 954
poultry droppings, Malaysia 152
Saudi Arabia 2124
- Sarcophaga albiceps** (see *Parasarcophaga albiceps*)
- Sarcophaga aratrix**
carrión, Finland 123
ecology 123
- Sarcophaga argyrostoma** (see *Parasarcophaga argyrostoma*)
- Sarcophaga barbata** (see *Parasarcophaga argyrostoma*)
- Sarcophaga bullata** (see *Neobellieria bullata*)
- Sarcophaga crassipalpis** (see *Parasarcophaga crassipalpis*)
- Sarcophaga haemorrhoidalis** (see *Bercea cruentata*)
- Sarcophaga peregrina** (see *Boettcherisca peregrina*)
- Sarcophaga scaparia**
carrión, Finland 123
ecology 123
- Sarcophagidae**
cadavers
Hawaii 1412
India 278
carrión, Hawaii 1550
cattle dung, Bulgaria 1390
Enterobacteriaceae, transmission 1161
human faeces, Romania 1161
predators 752
rural areas, Brazil 2394
- Sarcophagula occidua**, carrión, Hawaii 1548
- Sarcopetes**
buffaloes, skin diseases 539
control, acaricides 201, 339-340
domestic animals, immunity 2432
dromedaries, skin diseases 340
Italy 539
livestock, Saudi Arabia 201
pets, skin diseases 2252
rabbits, skin diseases 339
- Sarcopetes canis** (see *S. scabiei*)
- Sarcopetes scabiei**
- Bangladesh 207
biology, reviews 3188
Brazil 1510
cats, skin diseases 2798
cattle
Africa 2206
skin diseases 345, 1557, 1852, 2205,
3208
control 197
- Sarcoptes scabiei cont.**
- control cont.**
- acaricides 199-200, 208, 345, 538,
543, 1472, 1848, 1851-1852,
1871, 2108, 2203, 2206-2207,
2430, 2439, 2793, 2796-2797,
3186, 3208, 3210
pyrethroids 598
- Czechoslovakia** 538
- dogs**
Czechoslovakia 2910
skin diseases 197, 2199
- dromedaries**, skin diseases 2439, 3214
- ecology**, seasonal abundance 1246
- etretinate**, predisposition 1017
- ferrets**, skin diseases 1472
- foxes**, skin diseases 2793, 2797
- game animals**, Austria 2108
- German Federal Republic** 197
- goats** 2429
skin diseases 543, 813
- horses**, skin diseases 199
- Indonesia** 543
- laundries**, Missouri 1018
- man**
Caribbean 1879
skin diseases 196, 203, 207-208,
355, 598, 844, 1017-1018,
1480, 1510, 1926, 3186, 3188
- Michigan** 2202
- nursing homes**, UK 203
- pets** 2796
- pigs**
Indiana 1246
liveweight gains 321
skin diseases 200, 1848, 1851, 2203,
2430
Solomon Islands 1911
- rabbits**, skin diseases 3210
- sheep**, skin diseases 1871, 2207
- Sudan** 1871
- Switzerland** 1557
- taxonomy**, nomenclature 798
- Thailand** 196
- treatment** 196, 203
- Ursus americanus**, skin diseases 2202
- Vulpes vulpes**, Sweden 2216
- zoo animals**, skin diseases 538
- Sarcopetes scabiei hominis** (see *S. scabiei*)
- Sarcopetes scabiei suis** (see *S. scabiei*)
- Sarcopetes scabiei vulpes** (see *S. scabiei*)
- Sarcophagiformes**
cattle, reviews 1304
game birds, South Africa 1308
pigs, reviews 1307
- Sargus vulgaris**, pesticides, residues 864
- Sarracenia purpurea**
Diptera, Pennsylvania 2985
invertebrates 2981
- Sasacarus panamense**
Cryptotis nigrescens, Panama 2211
taxonomy, new species 2211
- Satellite surveys**, *Rhipicephalus appendiculatus* 1228
- Saturniidae**, insects as food 3102
- Saudi Arabia**
Dermatobia hominis 2699
Diptera 2124
insects, books 218
Ixodidae 778, 2186-2187
Oestrus ovis 3004
Phlebotomus papatasi 1375
Sarcophagiformes 201
Stigmeaus sinai 2081
- Savannas**
Culicoides, Surinam 693
Tabanidae, French Guiana 142
- Scabies (see Sarcoptes scabiei)**
- Scarabaeidae**
carrión, South Africa 1299
cattle dung
Nebraska 1173
South Africa 3089
Zimbabwe 3076
ecology, seasonal abundance 3089
faeces, Spain 2412
Neopodocnium, phoresy 3177
zoogeography, tropics, islands 2166
- Scarabaeinae**
cattle dung
Australia 3068

- Scarabaeinae cont.**
 cattle dung cont.
 dung management 2719
 sampling 3068
- Scarabaeus rugosus**
 cattle dung, South Africa 3089
 ecology, seasonal abundance 3089
- Scarabaspis inexpectatus**
 hosts, *Geotrupes* 3204
 Poland 3204
- Scathophaga stercoraria**
Entomophthora muscae, pathogenicity 962
 parasitoids 2755
- Scathophaga tropicalis**
 biology 114
 distribution, Peru 114
- Scathophagidae**, Iraq 272
- Sceloporus undulatus**, *Schellackia occidentalis* 1355
- Scenedesmus bijugatus**, pyrethroid insecticides, effects 1045
- Scenedesmus obliquus**, effects, organochlorine insecticides 2282
- Scenopinidae**
 cadavers, Hawaii 1412
 carrion, Hawaii 1548
- Schellackia galvani**
Anolis carolinensis 1355
 vectors, Diptera, transmission 1355
- Schellackia occidentalis**
Sceloporus undulatus 1355
 vectors, Diptera, transmission 1355
- Schistocephalus pungilli**, intermediate hosts, Copepoda, infection 1904
- Schistocerca gregaria**
 allergens, characterization 2754
 man, allergies 2754
- Sciara coprophila** (see *Bradysia coprophila*)
- Sciomyzidae**
 North America, catalogues 3083
 parks, Italy 871
- Sciurotamias davidianus**, *Multisetosa sciurotamias*, China 3178
- Sciurus carolinensis**
Borrelia burgdorferi, Wisconsin 525
 nests, Psocoptera, Florida 3092
- Sciurus vulgaris**, ectoparasites, Hungary 168
- Scolioidea**
 behaviour, predation 1432
 venoms, biochemistry 1433
- Scorpiones**
 Australia 1257
 Egypt 550
 man, stings 549-550, 818-819, 1257
 pets, books 3338
 venoms, vertebrates, pathology 818
- Scutophilus kuhli**, *Basilia roylii*, Bangladesh 122
- Scrub typhus** (see also *Rickettsia tsutsugamushi*)
- Sea transport**, diseases, spread 2827
- Seaweeds**, *Coelopa frigida*, UK 1160
- Selenastrum**, *Culex pipiens*, trophic relations 635
- Selenium**, residues, *Gambusia affinis* 1041
- Semenoviana tamerlana**, *Moniliformis moniliformis*, infection 2405
- Semiothisa eleonora**
 behaviour, feeding behaviour 3090
 buffaloes, Indonesia 3090
- Semiothisa nora**
 behaviour, feeding behaviour 3090
 buffaloes, Indonesia 3090
- Senecio pendulus**, extracts, biochemistry 2281
- Senegal**
Aphodius caprai 974
 Ixodoidea 781
 tickborne diseases, epidemiology 519
- Sepedon sphegea**
 ecology 740
 Irish Republic 740
- Sepsidae**
 cattle dung, Bulgaria 1390
 distribution, British Isles 154
 ecology 154
 Enterobacteriaceae, transmission 1161
 human faeces, Romania 1161
- Sepsidae cont.**
 Iraq 272
- Sepsis**
 cattle dung, Texas 2755
 parasitoids 2755
- Sepsis fulgens**
 behaviour, swarming 959
 cattle dung, Bulgaria 1390
 UK 959
- Sepsis violacea**
 ammonia, attractants 959
 buildings, UK 959
- Septic tanks**
Culex quinquefasciatus
 India 914
 Ivory Coast 670
- Sergentomyia**
 caves, China 697
 distribution, Jordan 2085
- Sergentomyia africana magna**, Congo 83
- Sergentomyia antennata**, mites 2081
- Sergentomyia arpakensis**, physiology, digestion 257
- Sergentomyia ashfordi**
 Ethiopia 2083
 taxonomy, new species 2083
- Sergentomyia bailyi**, India 2675
- Sergentomyia bedfordi**, Congo 83
- Sergentomyia caliginosa**
 southern Africa 2082
 taxonomy, new species 2082
- Sergentomyia crosarai**, Congo 83
- Sergentomyia dyemkoumai**, Congo 83
- Sergentomyia fallax**, Canary Islands 2086
- Sergentomyia firmatus** (see *S. bedfordi*)
- Sergentomyia formica**
 southern Africa 2082
 taxonomy, new species 2082
- Sergentomyia ghesquierei**, Congo 83
- Sergentomyia grekovi**, reptiles, USSR 698
- Sergentomyia hamoni**, Congo 83
- Sergentomyia ingrami**, Congo 83
- Sergentomyia magna** (see *S. africana magna*)
- Sergentomyia magnidentata**
 Kenya 2083
 taxonomy, new species 2083
- Sergentomyia minuta**
 breeding places, Italy 931
 Canary Islands 2086
 distribution, Spain 2672-2673
- Sergentomyia minuta sinkiangensis** (see *S. murgabensis*)
- Sergentomyia murgabensis**, China 86, 454
- Sergentomyia richardi**, Congo 83
- Sergentomyia rima**
 southern Africa 2082
 taxonomy, new species 2082
- Sergentomyia turfanensis**, China 454
- Serinirmus**, taxonomy, new genus 596
- Serinirmus sexyanum**
Serinus serinus, Spain 596
 taxonomy, new species 596
- Serinus canaria** (see also Canaries)
- Serinus serinus**
Nigrornirmus densilimbus, Spain 596
Serinirmus sexyanum, Spain 596
- Serradigitus wupatkiensis**, taxonomy, raised from *Vejovis wupatkiensis* 1896
- Serratia**, vectors, Diptera, transmission 1161
- Serratia marcescens**, hosts, *Aedes aegypti*, pathogenicity 620
- Sevin** (see Carbaryl)
- Sewage**, *Culex*, Florida 1347
- Sewage effluent**
 bacteria, trichlorfon, effects 2297
- Culex**
 California 2550
 Sweden 2572
- Sewage systems**, *Culex pipiens* 635
- Sex pheromones**
Cochliomyia hominivorax 473
Dermacentor 1201, 3157
Glossina morsitans, receptors 1119
Musca domestica, metabolism 2399
Periplaneta americana 591
Triatoma mazzottii 2526
- Seychelles**, aquatic organisms, checklists 1055
- Sheep** (*Ovis aries*)
Anopheles, Egypt 1627
Arge pullata, poisoning 303
 bluetongue virus, Israel 2835
- Bovicola ovis**
 skin diseases 1325
 Western Australia 403
- Calliphoridae**
 immune response 2392
 myiasis 2147, 2703, 3010
- Cochliomyia hominivorax**, myiasis 477, 3030
- Culicoides variipennis**, California 446
- Dermacentor nuttalli**, Mongolia 2176
- Dermacentor silvarum**, China 2181
- Diptera**
 German Democratic Republic 487
 myiasis 1421, 2704, 2729
- ectoparasites**
 Mali 3215
 reviews 1306
- epizootic haemorrhagic disease of deer virus, Colorado 3245
- Hyalomma truncatum**, Namibia 1835
- Hydrotaea irritans**, UK 2115
- ivermectin, effects 2479
- Ixodes ricinus**, UK 320
- Ixodidae**
 China 770
 India 998, 1200
 Saudi Arabia 778, 2186-2187
 Sudan 993
 USSR 765
- lindane, residues 2792
- Linguatula serrata**, pentastomiasis 2245
- Linognathus ovillus**, skin diseases 1584
 louping ill virus, Spain 2421
- Lucilia cuprina**
 Australia 296
 immune response 143
 myiasis 1409, 2145
- Lucilia sericata**, losses, liveweight gains 2702
- Mules' operation 3010
- odours, attractants, *Amblyomma hebraicum* 989
- Oestrus ovis**
 Burkina Faso 3008
 myiasis 269, 1720
 USSR 3009
- Phlebotomus**, India 932
- Psoroptes**, skin diseases 1849
- Psoroptes ovis**
 feeding behaviour 2208
 skin diseases 1872, 2201, 2431, 2792, 3209, 3213
- Rhipicephalus bursa**, Israel 1794
- Rhipicephalus turanicus**, USSR 324
- Rift Valley fever virus, Mauritania 3241
- Sarcopetes scabiei**, skin diseases 1871, 2207
- Sarcopiformes, Saudi Arabia 201
- Stomoxys calcitrans** 1730
- Trypanosoma**, Somalia 1717
- Wohlfahrtia magnifica**, myiasis 2113
 xenobiotics, metabolism 2861
- Sheep dipping races**, efficiency 2277
- Sheep diseases**, vectors, Ixodidae, transmission 996
- Shigella**, vectors, Diptera, transmission 1161
- Shigella sonnei**, vectors, Diptera, transmission 1161
- Ships**
Blattella germanica 2913
 Poland 395
- Sicarius hahnii**
 man, envenomation 3217
 southern Africa 3217
- Sicarius oweni**
 man, envenomation 3217
 southern Africa 3217
- Sicarius testaceus**
 man, envenomation 3217
 southern Africa 3217
- Sierra Leone**, *Simulium damnosum* complex 1700, 1704

- Siganus rivulatus*, pesticides, residues 864
Sigma virus, *Drosophila melanogaster*, France 1414
Sigmodon hispidus
 Borrelia burgdorferi, susceptibility 2247
 prey, *Boophilus annulatus* 2183
Silphidae, carrion, South Africa 1299
Simuliidae
 behaviour, feeding behaviour 2962
 books 577
 cattle, USSR 2685
 control
 insecticides 2685
 microbial pesticides 234
 Denmark 3354
 ecology, life history 940
 horses, German Federal Republic 232
 Iceland 940
 Japan 100
 man, hypersensitivity 2467
 New Zealand 455
 pathogens 262
 rivers, Malaysia 1332
 streams, islands 1055
 taxonomy, keys, eggs 2088
 techniques, collection 2501
 Trichomycetes 455
 USSR 262
- Simulium*
 control, nontarget effects 1538
 ecology, urbanization 1983
 man, America 2676
Onchocerca, infection 1701
Onchocerca volvulus
 detection 2684
 transmission 2676
 physiology, immune system 1701
 predators 1296
- Simulium admixtum*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium anatolicum*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium angustitarse angustitarse*, taxonomy 704
- Simulium angustitarse zaporojae*
 taxonomy, new subspecies 704
 USSR 704
- Simulium aokii*, Japan 705
- Simulium arakawae*, Japan 705
- Simulium arcticum*
 Alberta 457-458
 behaviour, environmental factors 1696
 biology, environmental factors 457
 cattle, resistance 458
 ecology, development 459
 entomophilic nematodes 2990
 mathematical models 459
 pastures, Alberta 1696
 streams, California 2990
 Trichomycetes 3258
 ultrastructure, sensilla 1698
- Simulium arcticum complex*
 cattle, Alberta 460
 morphology, mouthparts 460
- Simulium argenteostriatum*
 biology, behaviour 98
 streams, Switzerland 98
- Simulium argus*
 entomophilic nematodes 2990
 streams, California 2990
- Simulium arlechinum*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium aureohirtum*, Japan 100
- Simulium aureum*
 entomophilic nematodes 2990
Leucocytozoon smithi, transmission 707
 livestock, bites 456
 streams, California 2990
 turkeys, New York 707
- Simulium bidentatum*
 Japan 705
 streams, Japan 2090
- Simulium bivittatum*, behaviour, feeding behaviour 1112
- Simulium callidum*
 man, Mexico 942
Onchocerca volvulus, transmission 942
- Simulium castaneum*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium cataractarum*
 ecology, feeding behaviour 1111
 French Polynesia 1111, 1377
 taxonomy, new species 1377
- Simulium cheesmanae*
 French Polynesia 1377
 taxonomy 1377
- Simulium daisense*, streams, Japan 2090
- Simulium damnosum*
 filariids, Nigeria 3240
 man
 Liberia 2993
 Togo 709
- Simulium damnosum complex*
 age determination 1117
 control 2373
 insecticides 2681
 development, eggs 2087
 entomophilic nematodes 2375
 Kenya 2680
 man
 Cameroon 1115
 Sierra Leone 1700
 membrane feeders 97
- Onchocerca volvulus*
 Sudan 2683
 transmission 709, 1115, 1700
 rearing techniques, mass production 1693
 reports, Africa 1692
 rivers, Kenya 2375
 Sierra Leone 1704
 taxonomy
 identification 1704
 isoenzymes 2680
 West Africa 2373, 2681
- Simulium decorum*
 behaviour, dispersion 1695
 rearing techniques 2678
- Simulium equinum*
 breeding places, Europe 2088
 control, insecticides 232
 ecology, population ecology 232
 horses, German Federal Republic 232
- Simulium erythrocephalum*
 breeding places, Europe 2088
 control, insecticides 232
 ecology, population ecology 232
 horses, German Federal Republic 232
 livestock
 bites 456
 Denmark 2089
- Simulium exasperans*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium guimari*, Canary Islands 2091
- Simulium horacioi*
 control, insecticides 261
 man, Guatemala 261
- Simulium intermedium*, Canary Islands 2091
- Simulium iwatense*, streams, Japan 2090
- Simulium japonicum*
 Japan 100, 705
 streams, Japan 2090
- Simulium jenningsi*
Leucocytozoon smithi, transmission 707
 rearing techniques, mass production 1693
 turkeys, New York 707
- Simulium jenningsi group*, man, USA 2991
- Simulium kawamurae*, streams, Japan 2090
- Simulium konoi*
 Japan 705
 streams, Japan 2090
- Simulium lineatum*, breeding places, Europe 2088
- Simulium lotii*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium malardei*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium medusaeforme*
 entomophilic nematodes 2375
 rivers, Kenya 2375
- Simulium mesodontium*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium metallicum*
 control, insecticides 261
 man
 Guatemala 261
 Mexico 942
Onchocerca volvulus, transmission 942
- Simulium mie*, streams, Japan 2090
- Simulium morsitans*, breeding places, Europe 2088
- Simulium neavei group*
 Tanzania 1702
 taxonomy, cytotaxonomy 1702
- Simulium neoviceps*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium nikkoense*
 Japan 100
 streams, Japan 2090
- Simulium noelleri*
 behaviour, feeding behaviour 1378
 ecology 1697
 lakes, UK 1697
- Simulium ochraceum*
 behaviour, biting rates 942
 control, insecticides 261
 ecology 1705
 man
 Guatemala 261, 1705
 Mexico 942
Onchocerca volvulus
 anthelmintics, effects 2994
 transmission 261, 942, 1705
- Simulium ogatai*
 distribution, Japan 705
 Japan 100
- Simulium opunohuense*
 French Polynesia 1377
 taxonomy, new species 1377
- Simulium ornatum*
 breeding places, Europe 2088
 livestock
 bites 456
 Denmark 2089
Onchocerca lienalis, infection 941, 1703
 physiology, immune system 941, 1703
- Simulium ornatum complex*
Onchocerca lienalis, infection 2376
 physiology, immune system 2376
 storage 2377
- Simulium ornatum group*, lakes, UK 1697
- Simulium oviceps*
 French Polynesia 1377
 taxonomy 1377
- Simulium paraloutetense*
 Canary Islands 2091
 taxonomy, new species 2091
- Simulium pertinax*, rearing techniques 2679
- Simulium pictipes*
 biology, development 1694
 diethyltoluamide, repellents 1693
 genetics, DNA probes 1699
Leucocytozoon smithi, transmission 707
 rearing techniques 1694
 mass production 1693
 turkeys, New York 707
- Simulium piperi*
 entomophilic nematodes 2990
 streams, California 2990
- Simulium posticatum*
 behaviour, oviposition 706
 breeding places, UK 706
- Simulium pseudoequinum*, Canary Islands 2091
- Simulium reptans*, livestock, bites 456
- Simulium rostratum*, taxonomy, synonyms, *Simulium sublacustris* 99
- Simulium ruficorne*, Canary Islands 2091
- Simulium sanctipauli*
 ecology
 biting rates 2993
 population ecology 2677
 genetics, population genetics 1113
 Liberia 2374
 man
 Liberia 2677, 2993
 Togo 709

- Simulium sanctipauli** cont.
monitoring, traps 2374
Onchocerca volvulus, transmission 2677, 2993
plantations, Liberia 1113
rivers, Liberia 1114
taxonomy, cytotoxicity 1114
- Simulium sanctipauli complex**, genetics, DNA probes 1699
- Simulium shogakii**, streams, Japan 2090
- Simulium sirbanum**
biology, migration 2682
genetics, DNA probes 1699
man
Liberia 2993
Togo 709
rivers, Guinea 2682
taxonomy, cryptic species 264
West Africa 264
- Simulium soubrense**
Liberia 1116
man, Togo 709
rivers, Liberia 1114
taxonomy, cytotoxicity 1114, 1116
- Simulium squamosum**, man, Togo 709
- Simulium subcostatum**, Japan 705
- Simulium sublacustre**, taxonomy, synonym of *Simulium rostratum* 99
- Simulium sudanense**, taxonomy, cryptic species 264
- Simulium suzukii**, streams, Japan 2090
- Simulium tahitiense**
French Polynesia 1377
taxonomy 1377
- Simulium tenericum**
Canary Islands 2091
taxonomy, new species 2091
- Simulium terumamanga**, taxonomy 1377
- Simulium tuberosum**
streams, Japan 2090
Trichomycetes 3258
- Simulium tuberosum complex**
behaviour, biting rates 2991
man, USA 2991
- Simulium uchidai**
Japan 100, 705
streams, Japan 2090
- Simulium velutinum**, Canary Islands 2091
- Simulium venustum**
insecticides, toxicity 2995
livestock, bites 456
rearing techniques, mass production 1693
- Simulium venustum complex**
behaviour, host searching 708
cattle, Newfoundland 708
ecology, environmental factors 708
man, USA 2991
rearing techniques 2678
- Simulium verecundum complex**
behaviour, host searching 708
cattle, Newfoundland 708
ecology, environmental factors 708
man, USA 2991
- Simulium vernum**, Trichomycetes 3258
- Simulium virgatum**
entomophilic nematodes 2990
streams, California 2990
- Simulium vittatum**
behaviour, dispersion 1695
California 939
entomophilic nematodes 2990
genetics, DNA probes 1699
Leucocytozoon smithi, transmission 707
morphology, appendages, bristles 1051
pathogens 939
rearing techniques, mass production 1693
streams, California 2990
turkeys, New York 707
- Simulium yahense**
behaviour, feeding behaviour 709
ecology
biting rates 2993
population ecology 2677
genetics
DNA probes 1699
population genetics 1113
Liberia 2374
man, Liberia 709, 2677, 2993
monitoring, traps 2374
- Simulium yahense** cont.
Onchocerca volvulus, transmission 2677, 2993
plantations, Liberia 1113
- Simulium yonagoense**, distribution, Japan 705
- Sindbis virus**
Aedes albopictus
cell lines
homologous interference 637
replication 2634
epidemiology, South Africa 2345
taxonomy 1505
vectors
Aedes juppi, South Africa 2038
Culex univittatus, transmission 2345
Culicidae, transmission 1101
- Singapore**
Aedes albopictus 2555
dengue, epidemiology 365
Toxorhynchites acutus 1626
- Siphonaptera**
aviary birds, reviews 1303
books 577
control, insecticides 2
dogs, Tanzania 838
domestic animals, India 2
ecology, community ecology 29
evolution, host parasite relationships 614
mammals, Brazil 1558
man, hypersensitivity 2467
morphology
tarsi 609
teratogenesis 611
myxoma virus, transmission 363
pets, skin diseases 2252
pigs, reviews 1307
predators 4
F. kettisia 555
Rickettsiaceae 554
rodent burrows, USSR 4
small mammals
Czechoslovakia 350
USSR 587
Sorex alpinus, Czechoslovakia 29
tickborne encephalitis virus 176
ultrastructure, pygidia 1328
vectors, human immunodeficiency virus, transmission 557
wild animals, South Africa 870
- SIR-8514** (see *Triflumuron*)
- Sirthenea amazona**, morphology, genitalia 18
- Sirthenea carinata**, morphology, genitalia 18
- Sirthenea flavipes**, morphology, genitalia 18
- Sirthenea stria**, morphology, genitalia 18
- Sitta europaea**, *Protocalliphora azurea*, UK 957
- Skeletal** (see *Bacillus thuringiensis* subsp. *israelensis*)
- Skin diseases**
Argas japonicus, man 533
arthropods, man 3250
Astigmata, pigs 542
Bovicola ovis, sheep 1325
Cheyletiella, pets 198
- Skin diseases** cont.
- Dermatophagoides*, man 1016
Dermatophagoides farinae, man 1015
Dermatophagoides pteronyssinus, man 545, 807, 3184
Diptera, horses 2332
dogs, ectoparasites 2199
ectoparasites
cats 222
cattle 1304, 1557, 2206
dogs 223
foxes 2797
livestock 1306
man 598, 844, 1510, 1926
pigs 200, 1307, 1848
rabbits 3201
red deer 1989
- Dermodoptes bilobatus*, fowls 541
Eutrombicula alfreddugesi, mice 2442
Felistrophorus radovskyi, cats 2443
house dust mites, man 2222
Hyalomma truncatum, cattle 2424
Hylesia urticans, man 1779
Knemidokoptes mutans, fowls 2433
Linognathus ovillus, sheep 1584
Mallophaga, poultry 401
mites
aviary birds 331
horses 199
- Mycoptes musculinus*, mice 537
Neotrombicula autumnalis, man 191
- Notoedres cati**, cats 2440
- Ornithonyssus bacoti*, man 352
- Ornithonyssus sylvicularum*, fowls 2808
- Paederus**, man 1784
- Paederus australis**, man 3113
- Pedicinus eurygaster**, *Macaca mulatta* 1585
- Pediculus capitis**, man 15, 227, 1071, 1586, 2010, 2518-2519, 2935
- pets, ectoparasites 2252
- Phthiraptera**
cattle 2318
horses 2006
- Psoroptes**
cattle 2428
donkeys 1850
mammals 2208
sheep 1849
- Psoroptes ovis**
buffalo 1888
cattle 343-344, 1887, 2794, 2799, 2801, 3192
sheep 1872, 2201, 2431, 3213
- Psoroptidae**, cattle 3211
- Pterolichidae**, ostriches 3206
- Pthirus pubis**, man 226, 1072, 2934
- Sarcopetes**
buffalo 539
dromedaries 340
- Sarcopetes scabiei**
cats 2798
dogs 197
dromedaries 2439, 3214
ferrets 1472
goats 543, 813
man 196, 203, 207-208, 355, 1017-1018, 1480, 3186, 3188
pigs 321, 1851, 2203, 2430
rabbits 3210
sheep 1871, 2207
- Ursus americanus* 2202
- Vulpes vulpes* 2216
- zoa animals 538
- Sarcopticiformes**
cattle 345, 1852, 2205, 3208
domestic animals 2432
foxes 2793
livestock 201
rabbits 339
- Staphylinidae**, man 549
- Thelyphassa lineata**, man 1791
- Trixacarus caviae**, guineapigs 204, 1886, 2434
- Sleeping sickness** (see also *Trypanosoma gambiense*; *Trypanosoma rhodesiense*)
- Small animals**, envenomation, treatment, reviews 1514

- Small mammals**, Siphonaptera, USSR 25
Smittium, hosts, Culicidae, prevalence 2565
Smittium simulii, hosts, Diptera 455
Snakes
Aponomma latum, ectoparasitoses 2791
 Pentastomida, pentastomiasis 2243
Snowshoe hare virus, man, China 367
Soaps, repellents, efficacy 2628
Social insects, behaviour, communication, semiochemicals 2161
Society Islands, *Simulium* 1377
Soils
Bacillus thuringiensis, India 906
 Phlebotominae, Italy 931
Solenopsis
 man, hypersensitivity 1437, 2410
 taxonomy, keys 3125
 USA 3125
Solenopsis geminata
 carrion, Hawaii 1548
 distribution, Florida 3123
 ecology, habitats 3123
 genetics, biochemical genetics 299
 North America 299
Solenopsis invicta
 ant nests, Florida 868
 behaviour
 aggression 1778
 foraging 3118
 foraging behaviour 1767
 biochemistry
 cuticle 3129
 sterols 3132
 biology 1789
 development 1448-1449, 1788, 2745
 Brazil 302, 2148, 2760
 cell lines, culture techniques 1425
 control 1789
 biological control 298
 growth regulators 3111
 insecticides 2763
 development, sex differentiation 2752
 distribution
 Florida 3123
 USA 3126
 ecology
 habitats 868, 3123
 size, variation 3099
 entomopathogenic protozoa 2148
 entomophilic nematodes 302
 genetics, biochemical genetics 299
 man
 hypersensitivity 161, 1187
 stings 3096
 North America 299
 parasitoids 2760
 pastures
 Florida 298
 South Carolina 3111
 pheromones
 queen recognition pheromones 3328-3329
 synthesis 2164
 trail pheromones 3118
 physiology, pheromones, development 1180
 prey, *Haematobia irritans* 3111
Solenopsis richteri, hybridization 3126
 South Carolina 1789
 Texas 1778
 venoms 161
Solenopsis richteri
 distribution, USA 3126
 genetics, biochemical genetics 299
 North America 299
Solenopsis invicta, hybridization 3126
Solenopsis xyloni, predators 3216
Solomon Islands, domestic animals, arthropods 1911
Somalia
Glossina pallidipes 2379
 Ixodoidea 313-314
Trypanosoma, epidemiology 1717
Sorex alpinus, Siphonaptera, Czechoslovakia 29
Sorex araneus
Ixodes, Switzerland 1793
Nanacarus minutus, German Federal Republic 809
Sorex cinereus, ectoparasites, New York 3194
Sorex dispar, ectoparasites, New York 3194
Sorex fumeus, ectoparasites, New York 3194
Sorex unguiculatus, *Amorphacarus yezoensis*, Asia 808
Soricidae
 ectoparasites, Czechoslovakia 350
Hystrichopsyllinae, Poland 1329
Soricles caudatus, *Trombiculindus lukoschusi*, Nepal 2210
South Africa
Aedes circumluteolus 2553
Aedes juppi 2038, 2065
Aedes simpsoni complex 663
Anopheles 1050
Anystidae 188
Araneae 3217
 arboviruses, epidemiology 2345
 arthropod parasites 870
Boophilus microplus 2500
Calliphoridae 1408
 carrion, arthropods 1299
 cattle
 ectoparasites 2206
 Ixodidae 990
Ceratopogonidae 2079-2080
Cimex 2019
Culex pipiens 2040
Culex quinquefasciatus 2039
Culicidae, predators 47
 dengue virus, epidemiology 366, 2451
 dung beetles 3011
 game birds, ectoparasites 1308
Glossina 1120
Haematobia thirouxi 2719
 hepatitis B virus, epidemiology 2348
Hyalomma 1197
Ixodes rubicundus 527
Ixodidae 999
Musca domestica 149
Musca nevillii 276
Onitis 757
 organophosphate pesticides, poisoning 1274
Parafilaria bovicola, epidemiology 2390
Plasmodium, epidemiology 2976
Procambarus capensis, ectoparasites 2310
Radfordia aethomys 3183
Rhipicephalus 1813
Rhipicephalus appendiculatus 179
Rhipicephalus simus 2422
Scarabaeidae 3089
Sergentomyia 2082
South America
Aedes albopictus 1634
Aleochara 3114
Amblyomma 328
Centruroides 2233
Chrysomya 2393
Leishmania, epidemiology 1376
South East Asia
Aedes scutellaris complex 2631
Anopheles 2334
Haematobia irritans 2500
 vectors, audiovisual aids 1334, 1613, 2344
Soyabean fields, *Psorophora columbiae*, Texas 2568
Soyabean oil, insecticides, synergism 2740
Spain
Argas gilcolladoi 516
Ceratopogonidae 2359
Cervus elaphus, arthropods 513
Cheiracanthium 3218
Dasyhelea dufouri 2360
 dung beetles 2412
Heteroptera, catalogues 2327
Leptocephalus 2744
 louping ill virus, epidemiology 2421
Mallophaga 596
Otitipeurus turmalis 2319
Phlebotominae 2672-2673
 tickborne diseases, epidemiology 3165
Vespidae 3095
Wohlfahrtia magnifica 2113
Spalangia cameroni
 ecology, seasonal abundance 2755
- Spalangia cameroni** cont.
 hosts
 Diptera 2755
 Musca domestica 478
 Stomoxys calcitrans 3076
 poultry housing, Indiana 478
Spalangia endius
 ecology, seasonal abundance 2755
 hosts
 Diptera 2755
 Musca domestica 478
 poultry housing, Indiana 478
Spalangia haematoibiae
 ecology, seasonal abundance 2755
 hosts, Diptera 2755
Spalangia nigra
 hosts, *Musca domestica* 478
 poultry housing, Indiana 478
Spalangia nigroaenea
 ecology, seasonal abundance 2755
 hosts
 Diptera 2755
 Musca domestica 478
 poultry housing, Indiana 478
Spastomeloe weyrauchi, taxonomy, new combination 2756
Spelaeorhynchus hutsoni
 Phyllostomidae, Brazil 2810
 taxonomy, new species 2810
Speleocola tamarina
Leontopithecus rosalia, Brazil 1874
 taxonomy, new species 1874
Speleognathopsis galli, fowls, India 195
Speleognathus, game birds, South Africa 1308
Spermophilus dauricus
Androlaelaps fahrenholzi, China 1479
 Ixodidae, China 770
Spermophilus mexicanus parvidens, *Oropsylla fotus*, Texas 612
Spermophilus richardsoni, Siphonaptera, USA 2023
Spermophilus undulatus
Citellophilus tesquorum, USSR 24
Paradoxopsyllus scalonae, USSR 607
Sphaeroceridae, cattle dung, Bulgaria 1390
Sphaerodema nepoides (see *Diplonychus nepoides*)
Sphecidae, Australia, catalogues 2882
Sphecoidea
 behaviour, predation 1432
 venoms, biochemistry 1433
Sphyraena sphyraena, pesticides, residues 864
Spilopeltus cuniculi, evolution, host parasite relationships 614
Spirochaetales, small mammals, Minnesota 561
Spiroplasma
 culture techniques 1003
 hosts
 Culicidae
 France 665
 prevalence 2573
 insects 846, 853
 Ixodes pacificus 1003
 Toxorhynchites splendens, transovarial transmission 2548
 taxonomy, serotaxonomy 852-853
Spiroplasma culicola
 hosts, *Aedes sollicitans*, New Jersey 682
 taxonomy, new species 682
Spiroplasma mirum, culture techniques 1003
Spiroplasma taiwanense
 hosts, *Culex tritaeniorhynchus*, Taiwan 683
 taxonomy, new species 683
Spodoptera frugiperda
 cell lines
 Bacillus sphaericus, toxins, toxicity 1662
 enzymes, man, biotechnology 3107
Spotton (see Fenthion)
Spraying, pesticides, application methods 2845
Sprays, droplet size, insecticidal action 1273
Squamulotilla
 hosts, *Glossina* 101

- Squamulotilla** cont.
Malawi 101
- Sri Lanka**
Aedes albopictus 2555
Anopheles culicifacies 1641
aquatic organisms, checklists 1055
Bembix 752
Culex quinquefasciatus 2027
farm workers, pesticides, poisoning 2486
malaria, transmission 241
- Stachylina grandispora**, hosts, Chironomidae 455
- Standing water**, Culicidae, North Carolina 617
- Staphylinidae**
carrion, Hawaii 1548, 1550
cattle dung
Australia 3068
Nebraska 1173
Zimbabwe 3076
man, skin diseases 549
prey, *Haematobia thirouxi* 3011
sampling 3068
- Staphylococcus**, *Bovicola ovis*, nutrition 1325
- Staphylococcus aureus**, cattle, wounds 2384
- Staphylococcus epidermidis**
cattle, wounds 2384
oviposition attractants, *Culex pipiens* 44
- Steatoda paykulliana**, venoms, characterization 826, 2230
- Steinernema bibionis** (see *Neoaplectana bibionis*)
- Steinernema feltiae** (see *Neoaplectana carpocapsae*)
- Steinernema glaseri** (see *Neoaplectana glaseri*)
- Stemofoline**, synthesis 377
- Stephanofilaria**, vectors, *Calyptra*, transmission 1426
- Sterile insect release**
Cochliomyia hominivorax 126, 2185
Culex quinquefasciatus 1651
Glossina 711, 1127, 1135
cost benefit analysis 2301
Glossina palpalis palpalis 1129
insect pests, models 2278
- Sternostoma tracheacolum**
aviary birds
respiratory diseases 331
reviews 1303
control, acaricides 331
- Stigmaria sinai**
hosts, Phlebotominae 2081
taxonomy, new species 2081
- Stilbomyella**, taxonomy, keys 1540
- Stilobezzia**, Surinam 693
- Stings**
Apis mellifera
man 505-506, 510, 976, 1177, 1184, 2167, 3093, 3101
treatment 1922
arthropods, man 549
Buthus tamulus, man 1491
- Formicidae**, man 1437, 2410
- Hymenoptera**
man 159, 300-301, 306, 754-755, 984, 1438, 1790, 1921, 2156, 2407, 2459-2460, 3094
books 2490
immunotherapy 2153-2154, 2157
protection 2409
treatment 2462
- Myrmecia pilosula*, man 1178
- Pogonomyrmex badius*, man 973
- Scorpiones**
man 550, 818-819
pets, treatment 1514
- Solenopsis invicta*, man 1187, 3096
- Vespa*, man 2159
- Vespula*, man 507, 1776
- Stirofos** (see *Tetrachlorvinphos*)
- Stirophos** (see *Tetrachlorvinphos*)
- Stomorhina**, taxonomy, keys 1540
- Stomoxys**
control, growth regulators 152
poultry droppings, Malaysia 152
- Stomoxys calcitrans**
age determination 869, 1402
animal housing, German Federal Republic 748
arboviruses, mechanical transmission 2701
Bacillus anthracis, mechanical transmission 2700
bacteria, mechanical transmission 3084
biochemistry
pigments 1402
trypsin 3020
bisazir, sterilization 3033
border disease virus, infection 1730
cattle
California 1154
Europe 1757
Florida 117, 129
France 712
Israel 3085
milk yields 1726
summer mastitis 3084
cattle dung, Bulgaria 1390
cattle manure, New York 1782
control
biological control 1181
insecticides 117, 712, 746, 1726, 1757, 1760
integrated control 487
dairies, Nebraska 1181
ecology
population ecology 233
seasonal abundance 1154
Entomophthora muscae, pathogenicity 962
feedlots, Nebraska 498
horses, German Federal Republic 232, 1760
insecticide resistance, resistance management 748
insecticides, toxicity 3075
Jamestown Canyon virus, transmission 1629
livestock 2701
German Democratic Republic 487
India 3012
Poland 746
- Moraxella ovis*, mechanical transmission 3085
- parasites, surveys 129
parasitoids 1181, 1782, 3076
- physiology
digestion 290
haemolymph, proteins 2396
- pigs, liveweight gains 1152
- predators 752
- repellents 3012
- reviews 129
- sheep 1730
- Stomozan**, toxicity, *Hyalomma marginatum* 1811
- Stonemyia enokizonoi**, taxonomy, nomenclature 3028
- Stonemyia enokizonoi enokizonoi**, distribution, Japan 3028
- Stonemyia enokizonoi ishizuchiensis**
distribution, Japan 3028
taxonomy, new subspecies 3028
- Stonemyia yezoensis**
distribution, Japan 3028
taxonomy, nomenclature 3028
- Streams**
aquatic insects, Virginia 1983
aquatic organisms, islands 1055
pollutants, biotic index 2903-2904
- Streptococcus dysgalactiae**, vectors, Muscidae, mechanical transmission 3084
- Streptococcus suis**, vectors, *Musca domestica*, infection 284
- Streptomyces**
allosoamidin, structure 1968
metabolites, toxicity, *Aedes aegypti* 2263
- Streptomyces avermitilis**, lipids, characterization 2279
- Streptosporangium**, metabolites, toxicity, *Aedes aegypti* 2263
- Streptoverticillium**, metabolites, toxicity, *Aedes aegypti* 2263
- Stronggid-Plus**, effects, *Gasterophilus intestinalis* 107
- Sturnophagooides brasiliensis**, house dust, Brazil 210
- Sturnus vulgaris**
Carnus hemapterus, German Federal Republic 1399
ectoparasites, Belgium 586
parathion-methyl, effects 3320
Protocalliphora azurea, UK 957
- Stylopidius heringianus**, endrin, effects 1284
- Suburban areas**, Tabanidae, French Guiana 142
- Sudan**
Cladotanytarsus lewisi 966
Glossina pallidipes 2096
Ixodidae 993, 1215
Onchocerca volvulus, epidemiology 2683
Rhipicephalus sanguineus 534
Sarcopetes scabiei 1871
- Suidae**, Akabane virus, Africa 1027
- Suidasia pontifica**, house dust, Brazil 210
- Suisunema mackenziei**
hosts, *Celatoblatta undulivitta* 1310
New Zealand 1310
taxonomy, new species 1310
- Sulfidophos** (see Fenithion)
- Sulfiram** (tetraethylthiodicarbonic diamide ((Et₂N)C(S)J₂S))
against, *Sarcopetes scabiei* 3186
- Sulfur**
against
Demodex folliculorum 349
Sarcopetes scabiei 197
- Sulphamethoxazole**, with trimethoprim, treatment, *Pediculus capitis* 15
- Sumithion** (see Fenitrothion)
- Supella longipalpa**
distribution, Belgium 595
man, allergies 1063
- Superphosphate**, effects, dung beetles 1439
- Supona** (see Chlorfenvinphos)
- Surfactants**, insecticides, chemico-physical properties 1043
- Suricatoecus quadraticeps**, foxes, North America 2931
- Surinam**
Aedes aegypti 1636, 1655
Ceratopogonidae 693
- Surveys**, questionnaires, Vespidae, pest status 3130
- Sus scrofa**
arthropods, Austria 2108
Dermacentor auratus 771
- Sus scrofa domesticus** (see Pigs)
- Sus scrofa taivanus**, *Dermacentor taiwanensis*, Taiwan 776, 789
- Swamps**
Culicidae, Australian Northern Territory 1088
Mansonia, Malaysia 899
- Sweden**
Aedes communis 2584
Borrelia, epidemiology 1461
Culex 2572
Culicidae 1101
Elgiva divisa 1151
farmers, allergies 354, 1481
Lyme disease, epidemiology 2190
mosquito-borne diseases, epidemiology 2355
Neotrombicula autumnalis 191
Sarcopetes scabiei 2216
tickborne diseases, epidemiology 2426
- Sweet itch**, *Culex*, horses 409
- Swine** (see Pigs)
- Switzerland**
Astigmata 542
Babesia divergens, epidemiology 3159
Babesia microti, epidemiology 1793
cattle, ectoparasites 1557
Chironomus plumosus group 3015
Ixodidae 1450
Lyme disease, epidemiology 1916
Simuliidae 98
tickborne encephalitis virus, epidemiology 1541
- Swormlure-4**, attractants, *Cochliomyia hominivorax* 286
- Sylvicarpax grimmia**
Ixodes moreli, Ghana 1804

- Sylvicapa grimmia* cont.
Ixodidae, South Africa 999
- Sylvicola fenestralis*
man, myiasis 951
Pakistan 951
- Sylvilagus floridanus*
ectoparasites 1560
Jamestown Canyon virus, USA 1629
- Sympyta*, venoms, biochemistry 1433
- Syncaphalastrum*, metabolites, toxicity
Aedes aegypti 2263
- Synechococcus elongatus*, pyrethroid insecticides, effects 1045
- Syntermes*, insects as food 3102
- Syr Daria Valley fever virus*, epidemiology, USSR 2452
- Syringophilus*, birds, Belgium 586
- Syringophilus columbae*, pigeons, Belgium 586
- Syphidae**
Acholeplasma 2269
Iraq 272
phytotelmata, Indonesia 1054
prey, insects 1054
- Tabanidae**
books 577
cattle
liveweight gains 3042
milk yield 283
control, insecticides 283, 746, 3042
French Guiana 142
horses, German Federal Republic 232
livestock, Poland 746
man, hypersensitivity 2467
predators 752
salt marshes, USA 1147
Spiroplasma 853
techniques, collection 2501
USSR 283
- Tabanus**
cattle
Europe 1757
milk yield 283
Zaire 3002
control, insecticides 283, 1757
ecology, seasonal abundance 1629
Jamestown Canyon virus, transmission 1629
ruminants, German Federal Republic 2388
taxonomy, keys 3072
Trypanosoma, transmission 2388
USSR 283, 723
Zambia 2691
- Tabanus abactor**
behaviour, dispersal 715
Oklahoma 715
- Tabanus autumnalis**, parks, Italy 871
- Tabanus bovinus**
cattle, France 712
control, insecticides 712
- Tabanus bromius**
behaviour, feeding behaviour 2135
horses, France 2135
- Tabanus bromius group**, taxonomy 127
- Tabanus calens**, Mollicutes, USA 2141
- Tabanus catenatus**
Acholeplasma 2269
Mollicutes 2258
USA 2141
- Tabanus chrysurus**
cattle, Japan 1743
ecology, seasonal abundance 1743
- Tabanus colon**, taxonomy, larvae 3072
- Tabanus conterminus**
morphology, larvae 1147
salt marshes, USA 1147
- Tabanus cymatophorus**, taxonomy, larvae 3072
- Tabanus dolini**
genetics, chromosomes 128
taxonomy, new species 128
USSR 128
- Tabanus dorsilinea**
livestock, India 3012
repellents 3012
- Tabanus gladiator**, *Spiroplasma*, Maryland 846
- Tabanus importunus**
ecology, habitats 142
French Guiana 142, 2121
- Tabanus importunus** cont.
monitoring, traps 2121
- Tabanus laetitinctus laetitinctus**, morphology 127
- Tabanus laetitinctus sordes**, morphology 127
- Tabanus lineola hinellus**, taxonomy, larvae 3072
- Tabanus macer** (see *T. dorsilinea*)
- Tabanus nigrovittatus**
Mollicutes, USA 2141
morphology
cuticle 1754
larvae 1147
salt marshes, USA 1147
- Tabanus nipponicus**
cattle, Japan 1743
ecology, seasonal abundance 1743
- Tabanus occidentalis** var. *dorsovittatus*
ecology, habitats 142
French Guiana 142, 2121
monitoring, traps 2121
- Tabanus regularis**, morphology 127
- Tabanus rufidens**
cattle, Japan 1743
ecology, seasonal abundance 1743
- Tabanus semenovi**, morphology 127
- Tabanus striatus**
biology, nutrition 1747
livestock, India 3012
repellents 3012
- Tabanus sudeticus**
cattle, France 712
control, insecticides 712
- Tabanus sulcifrons**, Mollicutes, USA 2141
- Tabanus trimaculatus**, Mollicutes, USA 2141
- Tabanus venustus**, taxonomy, larvae 3072
- Tabanus wilkersoni**
French Guiana 2121
monitoring, traps 2121
- Tahyna virus**
Aedes triseriatus, infection 1092
man, China 367
- Tail tapes**
cattle
Muscidae 117
Stomoxys calcitrans 129
- Tainanina**, taxonomy, keys 1540
- Taiwan**
Aedes pseudopalpictus 640
Culex tritaeniorhynchus
Spiroplasma 846
Spiroplasma taiwanense 683
Dermacentor taiwanensis 776, 789
Toxorhynchites towadensis 618
- Taktic** (see Amitraz)
- Talpa europaea**, *Vieidebantia schmitzi*, Netherlands 809
- Talpidae**
ectoparasites, Czechoslovakia 350
Hystrichopsyllinae, Poland 1329
- Tamandua tetradactyla chapadensis**
Amblyomma calcaratum, Argentina 327
Amblyomma nodosum, Argentina 326
- Tamdy virus**, epidemiology, USSR 2452
- Tamias ruficaudus**, Siphonaptera, USA 2023
- Tamias sibiricus**
Dermacentor silvarum, China 2181
Ixodidae, China 770
Monopsyllus hamatus, China 615
- Tamias striatus**
Borrelia burgdorferi, Wisconsin 525
Ixodes dammini, Wisconsin 525
- Tanytarsus bathophilus**
man, hypersensitivity 3014
UK 3014
- Tanytarsus dissimilis**, insecticides, effects 1953
- Tanytarsus sylvaticus**
man, hypersensitivity 3014
UK 3014
- Tanzania**
Aphodius stefenelli 974
Chrysomya putoria 2136
Glossina 1120
Ixodidae 1210-1211
Linguatula serrata 838
Musca sorbens 1755
- Tanzania** cont.
Simulium neavei group 1702
trachoma 2455
- Tapirus terrestris**, *Sarcopetes scabiei*, skin diseases 538
- Tarsonemidae**, livestock housing, Czechoslovakia 544
- Tarsonemus**, hay, Iceland 1482
- Tatera indica**, ectoparasites, Kuwait 2909
- Tauraco porphyreolophus**, *Ixodes daveyi*, Zimbabwe 3156
- Taurotragus oryx** (see *Tragelaphus oryx*)
- Taxonomy**
Acanthophthirius nycticeius, new species 1876
Acaridae, new species 3181
Aedes 642
isoenzymes 1619
Aedes ripariooides, new species 1342
Aedes scutellaris complex, enzymes 2631
- Albionella fabricii*, new species 1899
- Alella tarakihi*, new species 1262
- Aleochara*, revision 3114
- Alluaudomyia*, new species 1373
- Amblyomma arianae*, new species 1806
- Amorphacarus yezoensis*, new species 808
- Amphisylla longispina*, new subspecies 610
- Ananteris luciae*, males 2236
- Anopheles*, new species 1050
- Anopheles dirus*
cytotechnology 1371
sibling species 928
- Anopheles gambiae*, identification 1630
- Anopheles gambiae* complex, identification 255, 429
- Anopheles maculatus*, identification 2556
- Anopheles quadrimaculatus*, sibling species 929
- Anystidae* 188
- Aphodius*, revision 974
- Aphodius pittinoi*, new species 1775
- Argas gilcolladoi*, new species 516
- Astigmata**
nomenclature 798
redescription 809
- Bellieriomima yaanensis**, new species 3013
- Bembix**, revision 752
- Blattella asahinai**, synonymy 1070
- Borborus**, lectotypes 3038
- Bothamia**, new genus 2079
- Brachymeria discreta**, synonymy 987
- Brachypogon**, revision 2982
- Calliphoridae** 1417
new species 1540
- Centruroides**, revision 2233
- Ceratopogonidae** 2359
new genera 2080
- Chinius junliensis*, new species 697
- Chrysomya*, new species 1148
- Corethrella metcalfi*, new species 1752
- Culex pipiens* 2040
- Culicoides* 692
isoenzymes 2663
new species 2983
- Cuterebra*, revision 1048
- Dasyhelea dufouri* 2360
- Demodex bantengi*, new species 2214
- Dermacentor steini*, redescription 1805
- Dermacentor taiwanensis* 776
- Dermatophagoides deanei*, new species 209
- Elgiva*, revision 1151
- Eulinognathus*, new species 883
- Euphlebotomus* 696
- Glossina frezili*, new species 103
- Glossina palpalis*, identification 464
- Goniodes tetraaphasis*, new species 2929
- Haemaphysalis hispanica* 325
- Haematopota**
identification 1731
new species 1393
- Hippoboscidobia* 189
- Hirstionyssus*, new species 3179
- Hohorstiella*, new species 1581
- Hypoderma*, chemotaxonomy 2107

Taxonomy cont.

- Hypoderma lineatum* 1385
- identification services 2887
 - tropics 2888
 - USA 1292
- insects
 - research 2887
 - Africa 2890
 - India 2889
 - tropics 2886
- Isshikia wenchuanensis*, new species 1391
- Ixodes woodi*, redescription 1792
- Leptotrombidium*, new species 1478, 1855
- Linguatula arctica*, new species 212
- Lukoschuscoptes*, new genus 2215
- Lutzomyia*, isoenzymes 1682
- Lutzomyia carmelinoi*, new species 91
- Lutzomyia guatemalensis*, new species 702
- Lutzomyia longipalpis*, isoenzymes 81
- Lutzomyia peresi* 87
- Lutzomyia pusilla*, new species 94
- Lutzomyia youngi*, new species 1687
- Macrocheles schaeferi*, new species 1873
- Mallophaga*, new species 14, 596
- Megapodiella parkeri*, new species 1582
- Meloidae*, nomenclature 2756
- Meoneura amurensis*, new species 288
- Meringis*, revision 2536
- Metabinuncus*, new species 190
- Michaelopus tridens*, new species 3182
- Microtityus dominicanensis*, new species 1894
- Monopsyllus*, new species 615
- Multisetosa*, new species 3178
- Musca nevilli*, new species 276
- Mylabris*, new species 1179
- Mycoptes queenslandicus*, new species 3180
- Neopodocinum*, new species 3177
- Nycteribiidae*, nomenclature 122
- Ochodaeidae*, revision 2168
- O nthophagus*, new species 980
- Paraceroglyphus cynomydis*, new species 2023
- Paradoxopsyllus scalonae* 607
- Paruroctonus maritimus*, new species 1895
- Petauralges mordax*, new species 3199
- Phaoniinae*, new species 2133
- Philopteridae*, new species 1580
- Phlebotominae* 930
- Phlebotomus* 85
 - Phlebotomus langeroni*, larvae 703
 - Placopyslla*, new species 2535
 - Poecilochirus monospinosus*, new species 3191
 - Psychodopygus leonidasdeanei*, new species 92
 - Radfordia aethomys*, new species 3183
 - Rallicola irediparuae*, new species 1583
 - Reduviidae*, biosystematics 604
 - research institutes, Florida 2885
 - Rhytidelasma*, new species 1483
 - Rhytidelasma bicostata*, new species 3195
 - Sasacarus panamense*, new species 2211
 - Sciomyzidae* 3083
 - Scorpiones* 1897
 - Sergentomyia*, new species 2082-2083
 - Serradigitus wupatkiensis*, redescription 1896
 - Simuliidae*, new species 2992
 - Simulium* 1377
 - new species 2091
 - Simulium angustitarse* 704
 - Simulium damnosum complex*, cryptic species 264
 - Simulium damnosum complex*
 - identification 1704
 - isoenzymes 2680
 - Simulium neavei* group, cytotaxonomy 1702
 - Simulium rostratum*, synonymy 99
 - Simulium soubrense*, cytotaxonomy 1114, 1116

Taxonomy cont.

- species diversity, reviews 2492
- Spelaerhynchus hutsoni*, new species 2810
- Speleocola tamarina*, new species 1874
- Stigmaria sinai*, new species 2081
- Stonemyia* 3028
- Tabanidae, larvae 3072
- Tabanus dolini*, new species 128
- Telomerina beringiensis*, new species 2731
- Tetrastichus*, new species 3086
- Toxorhynchites* 618
- Toxorhynchites acudatus* group, revision 1626
- Trombiculidae*, new species 1245
- Trombiculindus lukoschusi*, new species 2210
- Trombiculindus quanzhouensis*, new species 3176
- Trombiculastis guangdongensis*, new species 2212
- Xenillus itascensis*, new species 2213

Techniques

- age determination
 - Dermacentor nuttalli* 1453
 - insects 869
 - Musca vetustissima* 136
 - Simulium damnosum* complex 1117
 - Stomoxys calcitrans* 1402
- analysis
 - carbamate pesticides 2280
 - ecdysteroids 1988
 - application, adhesives, traps 1
 - artificial selection, insecticide resistance 2850
- assays
 - Blattaria*, repellents 2920
 - Dermatophagoides pteronyssinus*, antigens 1488
 - Muscidae*, chemosterilants 3033
- assessment
 - pesticides, nontarget effects 1538
 - Rickettsiaceae* 760
 - venoms, toxicity 1428
- bioassays
 - Abbott's formula 2499
 - Bacillus thuringiensis* 564
 - bacterial insecticides 2560
 - Blattella germanica* 592
 - insecticides, irritancy 594
 - Boophilus microplus*, estimation 521
 - entomogenous fungi 2610
 - insecticides 3016
- characterization, venoms 307
- collection
 - aquatic insects 2501
 - Araneae*, venoms 829
 - Demodex* 1486
 - Hymenoptera*, venoms 1431
 - insects, chutes 1555
 - Simulium*, saliva 1693
- counting, Ixodidae 316
- cryofixation, *Psoroptes ovis*, biopsies 1872
- curation, insects 3348
- delivery, ecdysteroids, Ixodidae 1808
- detection
 - African swine fever virus 1825
 - Anopheles*, *Plasmodium* 2968
 - carbaryl 2298
 - house dust, allergens 805
 - insecticide impurities 216
 - parasites, faeces 338
 - pest resistance 1224
 - pesticide residues 2854
 - Plasmodium*, *Anopheles* 2343, 2971
 - Plasmodium falciparum* 2067
 - Plasmodium malariae*, ELISA 1091
 - pyrethroids 378
 - Rickettsia* 1266
- determination
 - Dermatophagoides*, allergens 360, 2805
 - hydrogen sulfide, water 2496
 - toxicity 1301
- diagnosis
 - allergies 1923
 - Culex* 409

Techniques cont.

- diagnosis *cont.*
 - allergies *cont.*
 - Dermatophagoides* 353, 1253
 - Dermatophagoides farinae* 2802
 - Hymenoptera* 306
 - Borrelia burgdorferi* 2829
 - Demodex* 2795
 - Solenopsis invicta*, allergies 1187
 - DNA probes, *Trypanosoma*, *Glossina* 1708
 - enzyme immunoassay, eastern equine encephalitis virus 2593
 - estimation
 - heat sum 2495
 - population parameters 392
 - evaluation
 - allergies 335
 - insecticide resistance 131
 - insecticides 1936
 - pesticides, mutagenicity 953
 - feeding
 - Culicidae* 2582
 - haematophagous arthropods 2908
 - Simulium damnosum* complex 97
 - fluorescent dyes, *Glossina* 1143
 - genetic sexing, *Anopheles quadrimaculatus* 412
 - identification
 - Anopheles gambiae* complex 255, 429, 901
 - blood-meals, *Culicidae* 676
 - breeding places 149
 - parasites 1375
 - Simulium*, DNA probes 1699
 - infection
 - Glossina* 105
 - haematophagous arthropods 427
 - inoculation, Diptera, arboviruses 1672
 - isolation
 - Leishmania*, *Lutzomyia* 2366
 - Metarhizium anisopliae*, toxins 2840
 - labelling, specimens 2502
 - marking
 - fluorescent dyes 2590
 - larvae 1554
 - Phlebotomus papatasii* 259
 - mathematical models
 - Haematobia irritans*, control 1115
 - Simulium arcticum* 459
 - measurement, hormones 2906
 - models
 - Ixodidae*, control 1189-1190
 - Ixodoidea*, control 1191, 1193
 - Rhipicephalus appendiculatus*, control 1192
 - monitoring
 - insecticides, deposition 1046
 - tickborne diseases 1233
 - monoclonal antibodies, *Aedes aegypti* 1089
 - monoclonal immunoassays,
 - Dermatophagoides*, allergens 337
 - preparation, insects 3348
 - preservation, Ixodidae 997
 - purification
 - Scorpiones, toxins 1495
 - venoms 361
 - research, *Phlebotominae* 935
 - sampling, *Dermatophagoides pteronyssinus*, allergens 2804
 - separation, ecdysteroids 1053
 - sex diagnosis, *Ixodes persulcatus* 174
 - simulation models, tickborne diseases 1234
 - simulation models
 - distribution patterns 1230
 - Ixodidae* 1216-1217, 1220, 1223, 1227
 - Ixodoidea* 1232
 - Rhipicephalus appendiculatus* 1231
 - storage, *Simulium* 2377
 - vacuum fixation, Ixodidae 517
 - Teflubenzuron* (*N*-[(3,5-dichloro-2,4-difluorophenyl)amino]carbonyl]-2,6-difluorobenzamide)
 - activity, *Culicidae* 2964
 - against
 - Culex quinquefasciatus* 917
 - Culicidae* 2964

- effects, aquatic invertebrates 2964
Tegenaria agrestis
 man, bites 832, 835, 2818
 rabbits, bites 836
 USA 832, 835, 2818
Teknar (*see Bacillus thuringiensis* subsp. *israelensis*)
Telomera beringiensis
 carrion, North America 2731
 taxonomy, new species 2731
Temephos (*O,O'*-(thiodi-4,1-phenylene) bis (*O,O'*-dimethyl phosphorothioate))
 against
Aedes aegypti 41, 1103
Anopheles arabiensis 2973
Anopheles sundaicus 667
Culicidae 66
Simulium 261
 effects
 aquatic communities 2851
 aquatic invertebrates 3302
Laccotrephes griseus 1958
 man, poisoning 1948
 resistance
Aedes aegypti 1655
Culex pipiens 2059-2060
Culex tarsalis 2550
 toxicity, *Aedes* 1335
Tensaw virus, man, Florida 557
Tenytria gigas, *Moniliformis moniliformis*, infection 2405
Terapon plumbeus, *Lernaea*, Philippines 3231
Terbus (*S*-[[(1,1-dimethylethyl)thio]methyl] *O,O*-diethyl phosphorodithioate)
 rats, poisoning 1954
 residues, animal housing 1954
Terpenoids, effects, Diptera 728
Terrapene carolina triunguis, *Lucilia*, myiasis 1745
Tetanocera arrogans
 ecology 740
 Irish Republic 740
Tetanocera fuscinervis
 ecology 740
 Irish Republic 740
Tetrachlorvinphos ((*Z*)-2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl phosphate)
 against
Amblyomma americanum 795
 Diptera 1757
 resistance, *Haematobia irritans* 1403
 toxicity
Amblyomma maculatum 3148
Musca domestica, parasitoids 3062
 with dichlorvos, against, *Muscidae* 135
Tetracycline, effects, *Glossina morsitans* 2095
Tetradifon (1,2,4-trichloro-5-[(4-chlorophenyl)sulfonyl]benzene)
 toxicity, *Boophilus microplus* 995
Tetradonema solenopsis
 hosts, *Solenopsis invicta* 302
 taxonomy, new species 302
Tetraethylammonium chloride, effects, *Musca domestica* 1419
Tetraethylammoniumchloride, effects, *Musca domestica* 968
Tetrahymena pyriformis, hosts, Culicidae 2576
Tetramethrin ((1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isindol-2-yl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
 against, ectoparasites 2005
 piperonyl butoxide, synergism 3027
 resistance
Blattella germanica 395
Musca domestica 485
 toxicity, *Musca domestica* 3027
 with phenothrin, (*LR*)-*cis-trans*-, toxicity, *Musca domestica* 1273
Tetramorium caespitum, venoms, pH, measurement 2497
Tetraophasis obscurus, *Goniodes tetraophasis*, China 2929
Tetrastichus dytisciarum
 hosts, aquatic insects 3086
Tetrastichus dytisciarum cont.
 taxonomy, new species 3086
 USSR 3086
Tetrastichus hagenowii (*see Aprostocetus hagenowii*)
Tetrastichus natans
 hosts, aquatic insects 3086
 taxonomy, new species 3086
 USSR 3086
Tetrodotoxin, effects, Decapoda 2825
TF-86/05, attractants, *Glossina palpalis* 1144
Thailand
Aedes 640
Anopheles 2574, 2602
 predators 688
Anopheles dirus 928
Anopheles maculatus 2556
Calyptra 1426
Culex quinquefasciatus 677
Dermacentor steini 1805
 farm workers, pesticides, poisoning 2486
 insects as food 1601
Leptotrombicula 1855
Mansonia 678
 plague, surveillance 28
Sarcopetes scabiei 196
Tabanidae 1393
 urticaria, children 1921
Thaumetopea pityocampa
 morphology, urticating hairs 975
 toxins, characterization 975
Thaumetopea processionea
 morphology
 urticating apparatus 304
 urticating hairs 975
 toxins, characterization 975
Theileria
 vectors
Hyalomma, prevalence 2416
Hyalomma anatomicum, transmission 1008
Ixodidae, Sudan 1215
Ixodoidea 314
Theileria annulata
 vectors
Hyalomma 180
Hyalomma anatomicum 2170, 2790
 transmission 2177, 2420
Hyalomma dromedarii, infection 3171
Ixodidae, transmission 3165
Ixodoidea, transmission 2417
Theileria buffeli, vectors, Ixodidae, transmission 1451
Theileria cervi, Cervidae, susceptibility 3161
Theileria lawrencei, vectors, Ixodidae, Zambia 1212
Theileria mutans
 vectors
Amblyomma variegatum, transmission 1237
Ixodidae
 Burundi 1209
 Malawi 1213
Theileria orientalis, vectors, Ixodidae, Burundi 1209
Theileria parva
 cattle
 Kenya 3172
 Zambia 2789
 vectors
Ixodidae
 Burundi 1209
 Malawi 1213
 Tanzania 1211
Rhipicephalus appendiculatus 2418
 infection 1236
 transmission 1228
Theileria parva bovis
 epidemiology, Zimbabwe 1238
 vectors, Ixodidae, Zimbabwe 1214
Theileria parva parva
 vectors
Ixodidae, Zambia 1212
Rhipicephalus appendiculatus, infection 1235, 2172
Theileria sergenti
 vectors
Haemaphysalis longicornis
 infection 1846, 2171, 3162
 transmission 514
Theileria velifera
 vectors
Ixodidae
 Burundi 1209
 Malawi 1213
Thelaxes, honeydew, *Phlebotomus ariasi* 453
Thelazia gulosa, vectors, *Musca*, prevalence 279
Thelazia rhodesii, vectors, *Musca autumnalis*, prevalence 279
Thelazia skrjabini, vectors, *Musca autumnalis*, prevalence 279
Thelyphassa lineata
 forests, New Zealand 1791
 man, skin diseases 1791
Theraphosidae
 man, bites 549, 1493
 rearing techniques 830
 venoms, characterization 830
Therevidae, man, hypersensitivity 2467
Thermocyclops, villages, Burkina Faso 1910
Thermocyclops crassus consimilis, villages, Burkina Faso 1910
Thermocyclops dybowskii, prey, Culicidae 2616
Thermocyclops incisus, *Dracunculus medinensis*, Burkina Faso 3237
Thermocyclops inopinus, *Dracunculus medinensis*, Burkina Faso 3237
Thermocyclops nigerianus, *Dracunculus medinensis*, transmission 3234
Thermomonospora, metabolites, toxicity, *Aedes aegypti* 2263
Thermonectus basilaris, *Lagenidium giganteum*, pathogenicity 3260
Theses
Anopheles maculipennis complex, taxonomy 239
Anopheles quadrimaculatus, taxonomy 929
Argas persicus, Egypt 1022
Bacillus thuringiensis
 biotechnology 1040
 toxins 373
 border diseases virus, epidemiology 1730
Calliphora, biology 952
 cats, parasites 1556
Cytauxzoon felis, epidemiology 1796
 destruxins, chemistry 1031
 Diptera
 control 1760
 horses 232
 fowls, ectoparasites, Egypt 872
Gasterophilus, Egypt 947
Glossina, genetics 943
Hyalomma
 Egypt 1008
 Morocco 180
Hyalomma anatomicum, host resistance 169
 insects
 age determination 869
 immune system 875
Ixodes dammini, New York 1004
Ixodidae
 Brazil 187
 Egypt 1005-1006
 sheep diseases 996
Nasonia vitripennis, biology 970
Ornithomyssus sylvarium, antigen antibody reactions 333
Periplaneta americana, physiology 881
Pulicoidea, morphology 890
Pyemotes tritici, toxins 332
Rhipicephalus turanicus, biology 1007
Rhyparobia maderae, proctolin 225
Simuliidae, ecology 940
 stemonofoline, synthesis 377
 vamidothion, metabolism 382
 vectors, hosts, immune response 897
Thiabendazole (2-(4-thiazolyl)-1H-benzimidazole)

- effects, *Romanomermis culicivorax* 1661
- Thiocarbamate**, toxicity, Culicidae 2592
- Thiodan** (see Endosulfan)
- Thiodina sylvana**, man, bites 1493
- Thiofanoxane** (3,3-dimethyl-1-(methylthio)-2-butanone O-[(methylamino)carbonyl]oxime) toxicity, *Culex pipiens* 2050
- Thiourea** against, *Musca domestica* 3023 effects, fowls 3023
- 9-Thioxanthene**, phototoxicity, Culicidae 2567
- Thogoto virus** antigens 2248 vectors *Rhipicephalus appendiculatus* infection 1000 transmission 2769
- Thomomys doecus**, Geomyidae, coevolution 2008
- Thomomys**, Trichodectidae, coevolution 2008
- Thryonomyss swinderianus** *Ixodes aulacodi* 2778 *Rhipicephalus simpsoni* 2777
- Thuringiensin**, against, *Alphitobius diaperinus* 3112
- Tick paralysis** *Ixodes brunneus*, *Dendroica coronata* 2194 *Ixodes cornuatus*, man 2780
- Tick toxicoses**, *Hyalomma truncatum*, cattle 2424
- Tickborne diseases** Africa, books 1289 epidemiology, models 1191, 1232, 1234, 3160 Fennoscandia, reviews 2426 Ixodoidea, reviews 1001 livestock, productivity 1240 man, reviews 3137-3139 monitoring 1233 reviews 2826 vectors *Hyalomma*, India 1539 Ixodidae, Africa 1207 Ixodoidea models 772 transmission 1980
- Tickborne encephalitis** Europe, books 1541 man, diagnosis 1919
- Tickborne encephalitis virus** man Czechoslovakia 1205 Europe 1541 vectors Gamasoidea 176 *Hyalomma anatomicum*, infection 175 *Ixodes persulcatus* 176 *Ixodes ricinus*, Czechoslovakia 1205 Ixodidae, transmission 1541 Ixodoidea, reviews 1001 Siphonaptera 176
- Tilapia mossambica** bacterial insecticides, effects 78 insecticides, effects 1278 parathion-methyl, toxicology 569 prey, Culicidae 909
- Tilapia nilotica**, pesticides, residues 864
- Tilapia zillii**, pesticides, residues 864
- Tineola bisselliella**, man, allergies 1511
- Tipula abdominalis**, diflubenzuron, effects 3316
- Tityus serrulatus** man, stings 549 toxins 1261 binding, *Musca domestica*, receptors 3026 characterization 1893 effects rats 834, 2232 nervous system 3225
- Tityus stigmurus**, man, stings 549
- Togo** *Glossina* 3003 *Simulium damnosum* complex 709
- Tokunagayusurika akamusi** Japan 722 man, allergies 722
- Tolypin** toxicity *Culex pipiens* 1648 insects 1649
- Tolycocladium**, taxonomy 2957
- Tolycocladium cylindrosporum** against, Culicidae 2566 hosts *Culex pipiens*, pathogenicity 2351 Culicidae, pathogenicity 2610 storage, viability 895 toxins, characterization 1649
- Tolycocladium inflatum** toxins characterization 1649 toxicity, *Culex pipiens* 1648
- Tolycocladium niveum**, hosts, *Culex pipiens*, pathogenicity 2351
- Tolycocladium parasiticum**, taxonomy, nomenclature 2957
- Topomyia yanbarensis** biochemistry, enzymes 1658 biology 1624 rearing techniques 1624
- Torgos tracheliotus**, Argas, Zimbabwe 3155
- Toscana virus**, vectors, *Phlebotomus*, Italy 1110
- Toxaphene** (see Camphochlor) toxicity, *Amblyomma maculatum* 3148
- Toxicology** *Anabas testudineus* insecticides 2295 lindane 858 aquatic invertebrates, pesticides 1538 aquatic organisms insecticides 1947, 1953 pesticides, quality standards 865 *Barbus ticto*, malathion 1951 *Brachydanio rerio*, diazinon 1281 *Channa punctatus*, insecticides 388 *Clarias batrachus* aldrin 1279 insecticides 387 *Cyprinus carpio*, malathion 1276-1277 *Daphnia magna*, insecticides 857 dogs amitraz 2478 propoxur 2296 domestic animals, ivermectin 2479 dromedaries, ivermectin 2439 ducks endrin 3314 lindane 3312 European eels, lindane 1957 fishes permethrin 2485 pesticides 1960 toxic substances 2484 fowls DDT 2487 insecticides 2007 paraxonon 2863 goats, coumaphos 3326 laboratory animals DDT 3311 insect repellents 572 monocrotophos 3323 *Lepidocephalichthys thermalis* carbofuran 1275 insecticides 3309 *Macaca mulatta*, abamectin 2857 mammals, *Lagenidium giganteum* 1267 man aldicarb 1282 diethyltoluamide, reviews 1285 mice carbofuran, derivatives 3291 chlordcone 2865 lindane 2288 organochlorine insecticides 2483 phosphamidon 2293 *Vespa*, venoms 1428 *Odocoileus hemionus*, xenobiotics 2861 organophosphorus pesticides 219 *Penaeus monodon*, dimethoate 862 *Pimephales promelas*, insecticides 3305 *Poecilia reticulata*, carbaryl 568
- Toxicology cont.**
- rabbits, insecticides 3322 rats camphechlor 3317 coumaphos 1534 diazinon 2292 organophosphate pesticides 3315 parathion 1530 pirimiphos-methyl 3318-3319 pyrethroid insecticides 2858 pyrethrins 2864, 3310 rodents, endosulfan 2291 techniques, bioassays 1301 *Tilapia mossambica* insecticides 1278 parathion-methyl 569 *Uca pugilator*, diflubenzuron 866 zooplankton, lindane 861
- Toxins** *Agelenopsis aperta*, characterization 820 *Androctonus australis* antigenicity 2229, 3226 characterization 361 monoclonal antibodies 2815 peptides, synthesis 2820 toxicity arthropods 1258 insects 2814
- Apis mellifera*, structure 1186 *Arge pullata*, characterization 2758 *Atrax robustus*, characterization 2237 *Atrax versutus*, characterization 1891 *Bacillus sphaericus* activation 687 enzymes 410 *Culex quinquefasciatus*, cell lines, effects 893 cultures 2264 enzymes, effects 851 genes cloning 3267 DNA sequences 1526 insects, cell lines, binding 1662 toxicity, Culicidae 2641
- Bacillus thuringiensis* *Aedes aegypti* effects 416, 442 toxicity 1643 bioassays 564 biotechnology 1040, 1268, 1523, 1934, 2839 characterization 854, 1039, 1516-1517, 1520, 1646, 2271, 3255, 3263 crystallography 3261 crystals, X ray diffraction 1038 genes 2262, 3269 amino acids, sequences 2268, 3264 biotechnology 2259 DNA sequences 1032, 1037, 1270, 1518, 1930, 1932-1933, 2256, 2260 gene expression 856, 1521 nucleotide sequences 1034, 2267, 2270, 2838, 3256 modes of action 1033 molecular genetics 3279 plasmids 3259 purification 855 receptors 925 sugars, characterization 3265 toxicity *Aedes aegypti* 1519, 3259 *Aedes albopictus*, cell lines 2257 Culicidae 2644 insects 3273, 3275 cell lines 1524, 2470
- Bombus pennsylvanicus*, characterization 3097
- Buthidae** characterization 1893 purification 1495
- Buthus martensi*, characterization 3219
- Centruroides limpidus*, characterization 1023
- Centruroides noxioides*, effects, mice, neurotransmitters 3220 conferences 867
- Ixodidae, biochemistry, kinetics 3149

- Toxins cont.**
- Latrodectus*, characterization 833
 - Leirusus quinquestriatus* characterization 2238, 3224 receptors 816
 - Lepidoptera, characterization 975
 - Loxosteles reclusa* characterization 2816 rabbits, effects 825
 - Metarhizium anisopliae* isolation, liquid chromatography 2840 toxicity, insects 1031
 - Monomorium*, characterization 3117
 - Mylabris* 305
 - Nephila*, muscles, binding 2821
 - Nephila clavata*, binding, iron 2823
 - Pyemotes tritici* 332 characterization 2812
 - research, history 574
 - Scorpiones**
 - effects
 - laboratory animals 2822
 - rats 834
 - nervous system 3225
 - nervous system, binding sites 1024
 - Tityus serrulatus* 1261 binding, *Musca domestica*, receptors 3026 effects, rats 2232
 - Tolyphocladium*, characterization 1649
 - Tolyphocladium inflatum*, toxicity, *Culex pipiens* 1648
 - Vespidae, pharmacology 3108
 - Vespula*, ELISA 2747
- Toxorhynchites**
- against, Culicidae 393
 - biochemistry, enzymes 1658
 - Indonesia 618
 - phytotelmata, Indonesia 1054
 - prey, insects 1054
 - Toxorhynchites acaudatus* South East Asia 1626 taxonomy, redescription 1626
 - Toxorhynchites amboinensis*
 - Aedes aegypti*, predator-prey relationships 2068
 - against, *Aedes aegypti* 1625
 - Bacillus thuringiensis*, pathogenicity 138 behaviour, oviposition 2068
 - Metarhizium anisopliae*, pathogenicity 669
 - Molininema dessetae*, infection 42
 - Rift Valley fever virus, infection 1618
 - Toxorhynchites angustipalpus* Malaysia 1626 taxonomy, new species 1626
 - Toxorhynchites aurifluus* (*see T. christophi aurifluus*)
 - taxonomy, subspecies of *Toxorhynchites christophi* 618
 - Toxorhynchites brevipalpis*, entomogenous fungi, pathogenicity 2043
 - Toxorhynchites brevipalpis brevipalpis*, biology, development 45
 - Toxorhynchites changbaiensis*, taxonomy, synonym of *Toxorhynchites christophi* 618
 - Toxorhynchites christophi*
 - Asia 618
 - taxonomy, synonyms, *Toxorhynchites changbaiensis* 618
 - Toxorhynchites christophi aurifluus*, prey, Culicidae 1098
 - Toxorhynchites coerules* Indonesia 1626 taxonomy, redescription 1626
 - Toxorhynchites haemorrhoidalis* ecology, population ecology 891 phytotelmata, Venezuela 891
 - Toxorhynchites indicus* Malaysia 1626 taxonomy, new species 1626
 - Toxorhynchites moctezuma* (*see T. theobaldi*)
 - Toxorhynchites nepenthis* Philippines 1626 taxonomy, redescription 1626
 - Toxorhynchites ramalingami* South East Asia 1626
- Toxorhynchites ramalingami cont.**
- taxonomy, new species 1626
 - Toxorhynchites rutilus*
 - ecology, drought, survival 2049 morphology, sensilla 1078 tree holes, Florida 2049
 - Toxorhynchites rutilus rutilus*, *Aedes aegypti*, predator-prey relationships 2069
 - Toxorhynchites splendens*, *Spiroplasma*, transovarial transmission 2548
 - Toxorhynchites theobaldi*
 - behaviour, oviposition 2581
 - ecology, population ecology 891 forests, Trinidad and Tobago 2581 phytotelmata, Venezuela 891 water containers, Mexico 2629
 - Toxorhynchites towadensis*, Asia 618
 - Trachelas*, man, bites 1493
 - Trachoma**
 - epidemiology, Ethiopia 967 man, assessment 2454-2455
 - Trachydosaurus rugosus*
 - Ixodidae
 - Australia 2193
 - South Australia 3152
 - Trachynotus carolinus*, *Nerocila acuminata*, Gulf of Mexico 2244
 - Trachyspermum ammi*, extracts, Diptera 2300
 - Tragelaphus oryx*
 - Hyalomma*, South Africa 1197
 - Ixodidae, South Africa 999
 - Rhipicephalus*, Botswana 1195
 - Tragelaphus scriptus*, *Ixodes moreli*, Ghana 1804
 - Tragelaphus strepsiceros*
 - Ixodidae, South Africa 999
 - Rhipicephalus*, Botswana 1195
 - Trail pheromones**, *Solenopsis invicta* 3118
 - Transpermethrin** (*trans*- \pm)-(*3*-phenoxy-phenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate) blood-meals, effects, *Culex pipiens* 245 temperature, effects, *Musca domestica* 291
 - Trapping**, against, *Glossina fuscipes* 463
 - Traps**
 - bait traps
 - Amblyomma americanum* 1188
 - Calliphoridae 955, 965
 - Chrysomya rufifacies* 3067
 - Cochliomyia hominivorax* 3032
 - Culex* 2617
 - Culicidae 1088, 1348, 1650
 - Glossina* 1125, 1143
 - Glossina palpalis* 1144
 - Hybomitra* 2706
 - Monomorium pharaonis* 2151
 - Musca domestica* 3041
 - Musca vetustissima* 3068
 - Periplaneta americana* 2927
 - Phlebotomus* 1684
 - Tabanidae 2117, 2121
 - Vespidae 753, 1777
 - Vespa pensylvanica* 2764
 - biconical traps
 - Glossina* 1127, 2301, 3003
 - Glossina palpalis* 1126, 1129, 1144
 - Glossina tachinoides* 462
 - Simulium* 2374
 - box traps, *Culex* 2617
 - CDC light traps
 - Anopheles* 2963
 - Culex* 2951
 - Culicidae 1348, 1650
 - Culicoides* 2984
 - Lutzomyia* 89, 93
 - Phlebotominae 2673
 - CDC miniature light traps, Phlebotominae 83
 - Damascene traps, *Lutzomyia* 89
 - electrocuting traps
 - Diptera 148
 - Muscidae 3024
 - emergence traps
 - Culicidae 1348
 - Culicoides* 256
 - exit traps, *Phlebotomus argentipes* 933
 - Glossina* 2097
 - Traps cont.**
 - insect traps, *Culicoides* 2661
 - light traps
 - Aedes taeniorhynchus* 1350
 - aquatic insects 2501
 - Culicidae 1088
 - Culicoides* 448, 1108
 - Diptera 1761
 - Phlebotominae 83
 - Phlebotomus* 1684
 - Malaise traps, Tabanidae 142, 2117, 2121
 - Manitoba traps, Tabanidae 283
 - New Jersey light traps, *Culex* 2617
 - oviposition traps
 - Aedes aegypti* 41, 1103
 - Aedes triseriatus* 1653, 2589
 - Culex* 2591, 2617, 2951
 - Culicidae 2583
 - Toxorhynchites theobaldi* 2581
 - pheromone traps, insect pests 2278
 - pitfall traps
 - dung beetles 3068
 - Periplaneta americana* 2927
 - pyramidal traps, *Glossina palpalis* 102
 - Shannon traps
 - Lutzomyia* 89
 - Phlebotominae 90
 - sound traps, *Culex quinquefasciatus* 922
 - sterilizing traps, *Glossina* 1125
 - sticky traps
 - adhesives, application 1
 - Blattella germanica* 6, 2913
 - Culicoides* 2984
 - Musca autumnalis* 714, 749
 - Musca domestica* 3041
 - Muscidae 1154
 - Phlebotominae 2673
 - Phlebotomus* 1683
 - suction traps
 - Culicidae 2586
 - Culicoides* 448
 - Williams traps, *Stomoxys calcitrans* 129
 - Tree holes**
 - Aedes hendersoni*, Indiana 2627
 - Aedes krombeini*, India 680
 - Aedes triseriatus*
 - Indiana 1656
 - Massachusetts 892
 - Michigan 2955
 - Anopheles barberi*, USA 2605
 - Culicidae
 - Brazil 75
 - Florida 2049
 - French Polynesia 2545
 - Italy 871
 - ecology, food chains 390
 - fauna, Indonesia 1054
 - Triatomophorus nodulosus*, intermediate hosts, Copepoda, infection 1904
 - Triatoma barberi* Mexico 1588, 1590 *Trypanosoma cruzi* 1588, 1590
 - Triatoma cavernicola*, allergens, RAST 2523
 - Triatoma dimidiata*
 - dwellings, Panama 1595
 - hosts, blood-meals 1595
 - Scheelea rostrata*, Costa Rica 2017
 - Trypanosoma cruzi*, transmission 1595
 - Triatoma gerstaeckeri*
 - African swine fever virus, transmission 1817
 - Mexico 1588, 1590
 - Trypanosoma cruzi* 1588, 1590
 - Triatoma infestans*
 - biochemistry
 - arachidonic acid 602
 - lipid metabolism, fat body 2533
 - xanthine dehydrogenase 405
 - Blastocritidia triatomae*, pathogenicity 1592
 - Brazil 2531
 - cell lines, polyploidy 2525
 - control, insecticides 2531
 - cytochemistry, spermatozoa 1076
 - dwellings, Argentina 1589, 1591
 - genetics, chromosomes, meiosis 605
 - insecticides, penetration 2324

- Triatoma infestans cont.**
- Leptospira interrogans*, infection 228
 - plant extracts, effects 2522
 - precocene II, effects 17
 - Trypanosoma cruzi*
 - infection 1598, 2520
 - man, diagnosis 2942
 - transmission 1589, 1591, 1594
 - ultrastructure
 - Malpighian tubules 1077
 - tests 2939
 - Triatoma mazzottii*, sex pheromones 2526
 - Triatoma phyllosoma intermedia*, *Trypanosoma cruzi*, Mexico 2014
 - Triatoma protracta*
 - allergens
 - characterization 2524
 - RAST 2523
 - California 600
 - man, hypersensitivity 600, 2941
 - Triatoma protracta*, *Trypanosoma cruzi*, infection 2321
 - Triatoma rubida*
 - allergens, RAST 2523
 - man, hypersensitivity 2941
 - Triatoma rubrofasciata*
 - allergens, RAST 2523
 - Trypanosoma cruzi*, Brazil 2012
 - Triatoma rubrovittaria*, genetics, chromosomes, meiosis 605
 - Triatoma vitticeps*, *Trypanosoma cruzi*, Brazil 2320
 - Triatominae**
 - control, environmental management 2530
 - dwellings, Venezuela 2530
 - Tribolium castaneum*, *Bufo regularis*, carcinogens 1442
 - Trichlorfon** (dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate)
 - against
 - Cephalopina titillator* 1722
 - Cheyletiella blakei* 2200
 - Demodex bovis* 192
 - Dermanyssus hirundinis* 800
 - Diptera 487, 2742-2743
 - ectoparasites 1848
 - Lepeophtheirus salmonis* 553, 1902
 - Oestrus ovis* 3009
 - Simuliidae 2685
 - Culex pipiens*, resistance management 3285
 - degradation, seawater 553
 - effects, bacteria, sewage 2297
 - Gasterophilus intestinalis*, gas chromatography 2386
 - residues, shellfish 2855
 - resistance
 - Culex pipiens* 2059-2060
 - Musca domestica* 484, 489, 730-731
 - synergism 2059
 - toxicity, salmon 553
 - with mebendazole, against, *Gasterophilus intestinalis* 1719
 - with pyrantel pamoate, against, *Gasterophilus intestinalis* 471
 - Trichloromethane**, attractants, *Blaberus craniifer* 1324
 - Trichlorphenidine** (see 1,3-Bis(3-chlorophenyl)-2-(trichloromethyl)imidazolidine)
 - Trichlorphon** (see Trichlorfon)
 - Trichodectes canis*
 - dogs
 - Argentina 1990
 - Czechoslovakia 2910
 - Trichodectes subrostratus*, cats, Czechoslovakia 2910
 - Trichomalopsis dubius*
 - cattle manure, New York 1782
 - hosts, Muscidae 1782
 - Trichomycetes**
 - aquatic arthropods 455
 - hosts, aquatic insects 3258
 - Trichoplusia ni*, cell lines, *Bacillus sphaericus*, toxins, toxicity 1662
 - Trichopria*, hosts, *Stomoxys calcitrans* 3076
 - Trichopria lewisi*, carrion, South Africa 1299
 - Trichoprosopon digitatum*
 - biology, behaviour 46
 - cocoa husks, Venezuela 46
 - Trichopsyllopus*, evolution, host parasite relationships 2023
 - Trichoptera**, man, allergies 2468
 - Trichosia pubescens*, biochemistry, enzymes 2395
 - Trichuris trichiura*, vectors, Diptera, transmission 954
 - (Z)-9-Tricosene, *Musca domestica*, metabolism 2399
 - Triflumuron* (2-chloro-N-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide)
 - against
 - Culex quinquefasciatus* 917
 - Musca domestica* 1753
 - chitin, inhibition 2894
 - effects
 - Alphitobius diaperinus* 3121
 - Boophilus annulatus* 768
 - Culex pipiens* 2046
 - Trigla hirundo*, pesticides, residues 864
 - $\beta\beta, \beta\beta, 14\alpha$ -Trihydroxy-5 β -cholest-7-en-6-one, effects, *Hyalomma dromedarii* 1808
 - Trimethoprim**
 - against, *Demodex cati* 2813
 - with sulphamethoxazole, treatment, *Pediculus capititis* 15
 - Trinidad and Tobago**
 - Aedes aegypti* 1102-1103, 1655
 - Apis mellifera* 1184
 - Culex quinquefasciatus* 1667
 - Culicidae 41
 - insecticides, poisoning 1948
 - Sarcopes scabiei* 1879
 - Toxorhynchites theobaldi* 2581
 - Triphenyl phosphate**, synergism 2059-2060
 - Tripterooides**
 - ecology, predator prey relationships 390
 - man, India 235
 - phytotelmata, Indonesia 1054
 - predators 390
 - Queensland 390
 - Tripterooides aranoides*
 - entomopathogenic protozoa 2576
 - Malaysia 2576
 - Trivittatus virus**, vectors, *Aedes trivittatus*, infection 1654
 - Trixacarus caviae*
 - Austria 1886
 - control, acaricides 204, 2434
 - guinea pigs, skin diseases 204, 1886, 2434
 - Ontario 204
 - Trombicula*, aviary birds, reviews 1303
 - Trombiculidae**
 - lizards, coevolution 206
 - man, bites 1257
 - parks, Italy 871
 - Trombiculindus lukoschusi*
 - Soriculus caudatus*, Nepal 2210
 - taxonomy, new species 2210
 - Trombiculindus quanzhouensis*
 - Rattus rattoides*, China 3176
 - taxonomy, new species 3176
 - Trombidiidae**, livestock housing, Czechoslovakia 544
 - Trombiiformes**, game birds, South Africa 1308
 - Trombiculastia guangdongensis*
 - Hippoboscer bicolor*, China 2212
 - taxonomy, new species 2212
 - Tropics**, entomology, conferences 3353
 - Trouessartia*, birds, Belgium 586
 - Trypanosoma**
 - vectors
 - Glossina* 104
 - detection 2695
 - Mozambique 1128
 - transmission 1379
 - Ixodes ricinus*, UK 530
 - Tabanidae, transmission 2388
 - Trypanosoma brucei*
 - Anopheles gambiae*, cell lines, development 2967
 - vectors
 - Glossina morsitans*, infection 105, 2093, 2095, 2688
 - Trypanosoma brucei cont.*
 - vectors cont.
 - Glossina palpalis*, transmission 2378
 - Trypanosoma brucei brucei*
 - vectors
 - Glossina*, infection 711
 - Glossina morsitans*, infection 265
 - Trypanosoma brucei rhodesiense* (see *T. rhodesiense*)
 - Trypanosoma congolense*
 - cattle
 - Africa 2301
 - Kenya 2094
 - vectors
 - Glossina*
 - infection 711, 1714, 2101
 - prevalence 2691
 - transmission 1717
 - Zaire 3002
 - Glossina fuscipes*
 - Congo 1715
 - transmission 1716
 - Glossina morsitans*, infection 105, 1708, 2095, 2098, 2688, 2692, 2694, 3000
 - Glossina pallidipes*, prevalence 2379
 - Trypanosoma cruzi*
 - man, diagnosis, Triatominae 2942
 - vectors
 - Reduviidae, transmission 1594
 - Rhodnius prolixus*
 - detection 2529
 - transmission 2322, 2521
 - Venezuela 2018
 - Triatoma*, Mexico 1588, 1590
 - Triatoma dimidiata*, transmission 1595
 - Triatoma infestans*
 - infection 1598, 2520
 - transmission 1589, 1591
 - Triatoma phyllosoma*, Mexico 2014
 - Triatoma protracta*, infection 2321
 - Triatominae
 - Brazil 2012, 2320
 - Venezuela 2530
 - Trypanosoma gambiense*
 - vectors
 - Glossina fuscipes*, transmission 1716
 - Glossina palpalis*, transmission 266, 1382
 - Trypanosoma musculi*, uric acid, development 3248
 - Trypanosoma rangeli*
 - hosts, insects, infection 1593
 - vectors
 - insects, infection 884
 - Rhodnius prolixus*
 - Colombia 2013
 - detection 2529
 - Trypanosoma rhodesiense*
 - Anopheles gambiae*, cell lines, development 2967
 - vectors
 - Glossina morsitans*, infection 2692
 - Glossina pallidipes*, Kenya 106
 - Trypanosoma vivax*
 - cattle, Africa 2301
 - vectors
 - Glossina*
 - host parasite relationships 2999
 - infection 711, 1714
 - infectivity 3001
 - prevalence 2691
 - transmission 1717
 - Zaire 3002
 - Glossina pallidipes*, prevalence 2379
 - Trypanosomatidae*, vectors, *Lutzomyia pinottii*, Brazil 451
 - Trypanosomiasis**
 - cattle, books 2301
 - reports, Africa 104
 - Trypetoptera punctulata*
 - ecology 740
 - Irish Republic 740
 - Trypocopris pyrenaeus* (see *Geotrupes pyrenaeus*)

- Tsetse targets, *Glossina*** 3003
Tubulidentata, Ixodoidea, Somalia 313
Tularaemia (see also Francisella tularensis)
Tunga monositus, evolution, host parasite relationships 614
Tunga penetrans, dogs, Argentina 1990
Tunisia
 malaria, epidemiology 415
Phlebotomus papatasii 1375, 2987
Sarcopetes scabiei 2207
Turdus merula, Protocalliphora azurea, UK 957
Turkey
Calliphora vomitoria 720
Cheyletiella blakei 2200
Cheyletiella yasguri 2438
Linguatula serra 2240
Phlebotomus 1677
Turkeys
 Mallophaga, skin diseases 401
Simulium, New York 707
Turks and Caicos Islands, Sarcoptes scabiei 1879
Tydeidae, livestock housing, Czechoslovakia 544
Tydeus, farms, Finland 347
Tydeus interruptus, hay, Iceland 1482
Tylotropidius patagiatius, Nematoda, infection 2406
Typhfa dominicensis, Culicidae, Brazil 75
Typhloceras poppei
 ecology, reviews 1329
 small mammals, Poland 1329
Typhus (see also Rickettsia spp.)
Tyres
Aedes aegypti, Queensland 2643
Aedes albopictus, Illinois 2630
Aedes triseriatus, Indiana 1656
Anopheles barberi, USA 2605
 Culicidae
 dispersal 2604
 French Polynesia 2545
 Louisiana 2616
Tyroglyphus fariniae (see Acarus siro)
Tyrophagus castellani (see T. putrescentiae)
Tyrophagus longior
 farms, Finland 347
 grain stores, Denmark 2220
Tyrophagus putrescentiae
 allergens, cross reactivity 2445
 Denmark 1866
 Finland 358
 grain stores, Denmark 2220
 man, allergies 348, 358, 1481, 1866, 2220
 rodents, Egypt 608
Tyrophagus similis, biology, development 2223
Tyo alba, Carnus hemapterus, German Federal Republic 1399
UC-75118, effects, Alphitobius diaperinus 3121
UC-75150, effects, Alphitobius diaperinus 3121
UC-76724, effects, Alphitobius diaperinus 3121
UC-84572
 effects
Alphitobius diaperinus 3121
 Diptera 2577
Uca minax, carbaryl, effects 2868
Uca pugilator, diflubenzuron, effects 866
Uganda
Aedes aegypti 31
Aphodius caprai 974
 Culicidae 2043
Dracunculus medinensis, epidemiology 3236
Glossina 1120, 1124
Glossina fuscipes 2099
Trypanosoma rhodesiense, epidemiology 106
UK
Argas vespertilionis 3166
Borborus 3038
Borrelia burgdorferi, epidemiology 2784
Chironomidae 1166, 3014
Coelopa frigida 1160
UK cont.
Culex pipiens 2040
 Culicidae 2571
Culicoides 448, 2361, 2666
 Diptera 2946
 Ephemeroptera 2877
 house dust mites 2444
Hydrotaea irritans 1157, 2115
Ixodes ricinus 320, 530, 782
Ixodes uriae 1204, 1801
 Ixodidae 996
Nicrophorus vespilloides 972
 pesticides, health hazards, reports 2491
Protocalliphora azurea 957
Pseudolynchia garzettae 1395
Sarcopetes scabiei 203
 Sepsidae 154
Sepsis 959
Simulium noelleri 1697
Simulium posticum 706
Ultrastructure
Aedes aegypti, spermatocysts 1617
Amblyomma americanum, foveal glands 2189
Amblyomma hebraeum, salivary glands 1464
Argas arboreus
 lateral organs 775
 Malpighian tubules 2779
 midgut 3154
Argas persicus, salivary glands 994
 arthropods, cuticle, microtomy, artefacts 2304-2305
Blaberus craniifer, endocrine cells, midgut 2914
Boophilus microplus
 midgut 991
 secretary cells 177
Brachycera, cuticle 1754
Chironomus riparius, midgut 3037
Chrysops, larvae 1167
Cimex lectularius, eyes 887
 Culicidae, mouthparts, larvae 1652
Dermacentor variabilis, nervous system 2191
Diptroptera punctata, corpora allata 2925
Ergasilus mirabilis, attachment structures 2242
Haemaphysalis longicornis, salivary glands 1202
Hyalomma dromedarii
 cuticle 3144
 eyes 1463
 insects, cuticle 2493
Musca domestica, midgut 1759
Nephila clavata, venom glands 1256
Ornithodoros erraticus
 Malpighian tubules 1833
 reproductive system 1462
 males 1828
Periplaneta americana
 neurosecretory cells 1993
 sensilla 1313
Phormia regina
 eggs, integument 2732
 reproductive system 1756
 Reduviidae
 eggs 604
 Malpighian tubules 1077
Rhipicephalus appendiculatus, cell lines, cells 2188
Rhipicephalus evertsi, porose areas, glands 992
Rhodnius prolixus
 Malpighian tubules, septate junctions 2325
 midgut 601
Simulium arcticum, sensilla 1698
 Siphonaptera, pygidia 1328
Toxorhynchites rutilus, sensilla 1078
Triatoma infestans, testes 2939
Xenopsylla cheopis, rectum 2944
Ultraviolet radiation
 effects, *Bacillus thuringiensis* 2261
 mutagenicity, *Drosophila*, assays 3057
United Arab Emirates, insects, books 218
United States of America (see USA)
Uranotaenia
 breeding places, Iran 2611
 Iraq 2053
Uranotaenia cont.
 taxonomy, keys 2053
Uranotaenia unguiculata, man, Italy 871
Urban areas
 aquatic insects, community ecology 1983
Blattella germanica, dispersal 2504
Culex
 California 2617
 Colorado 2951
Culex quinquefasciatus
 Malaysia 922
 South Africa 2039
 Culicidae, Louisiana 2552
Dermacentor variabilis, New York 1840
 Diptera, Malaysia 954
 ectoparasites, Czechoslovakia 350
Glossina fuscipes, Congo 463, 1715
 haematophagous insects, Egypt 255
Supella longipalpa, Belgium 595
Uria aalge, Ixodes uriae, UK 1801
Urodacus
 Australia 1257
 man, stings 1257
Urolepis rufipes
 dairies, New York 3062
 insecticides, toxicity 3062
Uropodidae, livestock housing, Czechoslovakia 544
Ursus americanus, Sarcoptes scabiei, skin diseases 2202
Urticaria, man, insects 1921
Urticating hairs
Hylesia urticans 1779
 Lepidoptera
 man 549
 morphology 975
Thaumetopoea processionea 304
USA
Aedes albopictus 2073, 2075, 2579
Amblyomma americanum 166, 1831
Apis mellifera 3101
 arthropods, war 1920
Bacillus thuringiensis 1935
Blattella germanica 11
Borrelia burgdorferi, epidemiology 841
 cattle, ectoparasites 1304-1305
Centruroides 2233
Cochliomyia hominivorax 126, 285
Demodex 540
Ehrlichia canis, epidemiology 1002
Elgiva 1151
Euschoengastia 1875
Haematopota 1731
Hermetia illucens 2721
Ixodidae 2781
 livestock, ectoparasites 1306
 Lyme disease, epidemiology 1467
Meringis 2536
 pigs, ectoparasites 200, 1307
Sirthenea 18
Solenopsis 299
 taxonomy, identification services 1292
Alabama
Anopheles quadrimaculatus 2952
 Culicidae 2573
Culicoides variipennis 2662
Cuterebra 110
Siphonaptera 26
Solenopsis 3126
Alaska
 Formicidae 3120
Telomerina beringiensis 2731
Arizona
Aedes purpureipes 2578
Triatoma 2941
Arkansas
Anopheles quadrimaculatus 2619, 2952
 Culicidae 2566
Lernaea catostomi 2241
Lucilia 1745
Psorophora columbiae 2620
Solenopsis 3125
California
Blattaria 5
Cheyletiella blakei 1861
Culex 2550, 2617
Culex tarsalis 1616, 2645, 2954
 Culicidae 1366, 2622, 2964

USA cont.**California cont.**

- Culicoides variipennis* 446, 2665
entomophilic nematodes 1676
Culiseta incidunt 661
Diptera 2110
Fannia 147
Fannia canicularis 1751
Gambusia affinis 1041
Hypoderma 1146
insects as food 1601
Ixodes pacificus 526, 1203
malathion, aerial spraying 3303
Michaelops tridens 3182
Muscidae 1154
Muscoidea 472
Paruroctonus maritimus 1895
Paruroctonus mesaensis 3216
Pogonomyrmex 2761
Sarcophaga scabiei 355
Simulium 2990
Simulium vittatum 939
Triatoma 2941
Triatoma protracta 600, 2321
Trichodectidae 2931
Vespa germanica 1786
Vespa vulgaris 1764
- Colorado
aquatic insects, Trichomycetes 3258
Culex 2951
epizootic haemorrhagic disease of deer virus, epidemiology 3245
Macrocheles schaeferi 1873
St. Louis encephalitis, epidemiology 560
- Connecticut
Aedes cantator 2063
Borrelia burgdorferi, epidemiology 524, 2788
Culicidae 1657
Ixodes dammini 792-793
- Delaware, Jamestown Canyon virus, epidemiology 1629
- Florida
Aedes 641-644, 649, 651-654
Aedes taeniorhynchus 645-648, 1350
AIDS, epidemiology 557
Anopheles quadrimaculatus 2952
Blattella 1565
Blattella asahinai 1070, 1564, 1566, 1571
Blattella germanica 6, 2926
Coquillettidia perturbans 2558
Culex 1347, 1351, 2557
Culicidae 50, 1344, 1348, 1947, 2049, 2586, 2852
Culicoides 1108, 2661
Culicoides furens 2664
dwellings, pesticide residues 3321
Muscidae 117
Ornithodoros turicata 790, 1817
Ornithonyssus bursa 814
Phoridae 1396
Pogonomyrmex badius 973
Ponera exotica 1787
Pyramotema lucifera 3109
Schellackia, epidemiology 1355
Sciurus carolinensis, Psocoptera 3092
Solenopsis 3123
Solenopsis invicta 298, 868
Stomoxys calcitrans 129
taxonomy, research institutes 2885
- Georgia
Anopheles quadrimaculatus 2952
Aphodius erraticus 155
cattle, ectoparasites 2930
Culicoides 2984
Haematobia irritans 134, 3040
house dust mites 3185
Musca domestica 130
Psoroptes ovis 3192
Solenopsis 3126
Solenopsis invicta 2763
Tabanidae 1147
- Hawaii
Aedes albopictus 927, 2555, 2587, 2600
carrión, arthropods 1548, 1550
forensic entomology 1412

USA cont.**Hawaii cont.**

- Vespa pensylvanica* 2764
- Idaho
Dermacentor andersoni 312
Tegenaria agrestis 832, 835, 2818
- Illinois
Aedes albopictus 2630
Anopheles barberi 2605
Orchopeas howardii 613
- Indiana
Acanthophthirius nycticeius 1876
Aedes 2549
Aedes hennersoni 2627
Aedes triseriatus 1656
Anopheles barberi 2605
Gambusia affinis 2960
Haematopinus suis 2936
Jamestown Canyon virus, epidemiology 2033
pigs, ectoparasites 1246
- Iowa
Culicidae 2613
Haematobia irritans 732
Musca autumnalis 1732
Musca domestica 494
pesticides, poisoning 3301
- Kansas, *Haematobia irritans* 118
- Kentucky
Amblyomma americanum 1803, 1815
Culex pipiens complex 2640
Gasterophilus 1718
horses, parasites 2696
Hypoderma 1146
Musca autumnalis 749
- Louisiana
Aedes aegypti 1625
Aedes albopictus 2587
Anopheles 2612
Culex quinquefasciatus 1661
Culicidae 2552, 2590, 2592, 2616, 2624
Culicoides variipennis 1675
Haematobia irritans 118, 1398
Psorophora columbiae 2595, 2623
- Maine, *Latrodectus hesperus* 2819
- Maryland
Culicidae 2593
Dermacentor variabilis 3143
Dermatophagoidea 1249
insects, *Spiroplasma* 846
Ixodes dammini 2425
Jamestown Canyon virus, epidemiology 1629
Musca autumnalis 749
Musca domestica 3041
Tabanidae 1147
Mollicutes 2141
Vespa 1777
- Massachusetts
Aedes triseriatus 892
Apis mellifera 510
Dermanyssus gallinae 2227
Ixodes dammini 777, 1798
Periplaneta americana 2927
poultry droppings, arthropods 2902
poultry housing, arthropods 1785
Tabanidae 1147
- Michigan
Aedes triseriatus 2955
Culicidae 2580
Neomyia cornicina 721
Ornithodoros kelleyi 3142
Sarcophaga scabiei 2202
- Minnesota
aquatic organisms 3302
Curculionidae 3131
Musca autumnalis 749
Spirochaetales 561
Xenillus itascensis 2213
- Mississippi
Amblyomma americanum 1803
Culicidae 1366
Ornithocoris pallidus 1599
Solenopsis 3125-3126
Solenopsis invicta 2763
- Missouri
Haematobia irritans 1155
Musca autumnalis 749
Phormia regina 1736

USA cont.**Missouri cont.**

- Sarcophaga scabiei* 1018
- Montana
Curculionidae 3131
Siphonaptera, mites 2023
- Nebraska
dung beetles 1173
Haematobia irritans 121
Hypoderma 1146
Macrocheles schaeferi 1873
Musca autumnalis 714
natural enemies 948
Muscidae 146, 498
Muscidifurax zaraptor 1181, 3103
- New Hampshire
Parascalops breweri 3193
Simulium tuberosum 2991
Tabanidae 1147
- New Jersey
Aedes sollicitans, *Spiroplasma culicola* 682
Blattella germanica 1315
eastern equine encephalitis, epidemiology 1912
Haematobia irritans 1153
Ixodes dammini 2776
Lyme disease 817
Tabanidae 1147
- New Mexico
Macrocheles schaeferi 1873
rodents, ectoparasites 585
Siphonaptera, mites 2023
- New York
Aedes sollicitans 660
cattle manure, insects 1782
Demodex 1854
Ixodes dammini 1004, 1841
Musca domestica, parasitoids 3062
Parascalops breweri 3193
Rocky Mountain spotted fever, epidemiology 1840, 1917
Simuliidae 707
Simulium tuberosum 2991
small mammals, ectoparasites 3194
- North Carolina
Alphitobius diaperinus 3110
Borrelia burgdorferi, epidemiology 3244
- Connecticut
Culicidae 617
Cuterebra 946
Ixodes brunneus 2194
man, farming, occupational hazards 3299
mosquito control 866
Poecilochirus monospinosus 3191
Ponera exotica 1787
Tabanidae, Mollicutes 2141
- North Dakota
Haematobia irritans 133, 140
Musca autumnalis 749
- Ohio
Anopheles barberi 2605
Culex pipiens 44
Magicicada septendecim 888
Vespidae 3130
- Oklahoma
Amblyomma americanum 787, 795, 1188, 1803, 2785
Cytauxzoon felis, epidemiology 1796
Ponera exotica 1787
Tabanus abactor 715
- Oregon, *Tegenaria agrestis* 832, 835, 2818
- Pennsylvania
Sarracenia purpurea, insects 2985
Yersinia enterocolitica, epidemiology 1028
- Rhode Island, *Ixodes dammini* 2766
- South Carolina
Culex quinquefasciatus 243
Haematobia irritans 3111
Muscidae 481
Periplaneta 1316
Solenopsis invicta 1789, 3111
- South Dakota, Muscidae 135
- Tennessee
Aedes albopictus 2587
Amblyomma americanum 1815
Ixodidae 1454, 1832

- USA cont.**
- Tennessee cont.**
- Loxosceles reclusa* 3223
 - Musca autumnalis* 132
 - Pthirus pubis* 3300
- Texas**
- Aedes albopictus* 2587, 2600
 - Aedes triseriatus* 2589
 - Amblyomma americanum* 1803
 - Boophilus annulatus* 2183, 3147
 - Chorioptes bovis* 2806
 - Culicidae* 1366
 - dung fauna 2755
 - Epicauta* 1174
 - Formicidae* 1778
 - Gasterophilus* 2697
 - Haematobia irritans* 1404
 - Ixodes woodi* 1792
 - Musca domestica* 148
 - Oropsylla fotsu* 612
 - Otobius megnini* 1837
 - pesticides, poisoning 2290
 - poultry droppings, arthropods 713
 - Psorophora columbiiae* 2568
 - Pthirus pubis* 226
 - St. Louis encephalitis, epidemiology 918
 - Tabanidae* 3072
- Vermont**, *Parascalops breweri* 3193
- Virginia**
- aquatic insects 1983
 - Blatta orientalis* 394
 - parasitoids 874
 - Culicoides variipennis* 1673-1674
 - Dermatophagoides* 2805, 3190
 - Jamestown Canyon virus, epidemiology 1629
 - Musca domestica* 747
 - Periplaneta americana* 1567
 - Washington, *Tegenaria agrestis* 832, 835, 2818
- West Virginia**, La Crosse virus, epidemiology 2074
- Wisconsin**
- Aedes triseriatus* 1653
 - Borrelia burgdorferi*, epidemiology 523, 1812
 - Ixodes dammini* 525
- USDA A13-35765** (*see* (1-(3-Cyclohexen-1-ylcarbonyl)piperidine))
- USSR**
- Aedes* 627
 - Aedes dianaeus* 33
 - Aedes sergievii* 34
 - Aedes togoi* 32
 - Amorphacarus yezoensis* 808
 - Anopheles* 629
 - Anopheles pulcherrimus* 36
 - Anopheles superpictus* 624
 - Aphodius subterraneus* 974
 - arboviruses, epidemiology 2452
 - Cephalopina titillator* 1722
 - Cheyletidae* 194
 - Citellophilus tesquorum* 24
 - Copepoda*, *Cestoda* 1904
 - Culex pipiens* 626
 - Culicidae* 621, 625, 628, 630
 - Culicoides* 691
 - Dermacentor* 172
 - Dermacentor marginatus* 764
 - Dermanyssus hirundinis* 800
 - Dermatophagoides* 797
 - Diptera* 270, 288, 716
 - pathogens 622
 - foxes, ectoparasites 2793
 - fur farming, Diptera 2743
 - Gamasoidea 193
 - Hyalomma asiaticum* 763
 - Ixodes persulcatus* 759
 - Ixodidae* 324, 765, 1196, 1810-1811
 - Ixodoidea 173
 - Lepeophtheirus salmonis* 211
 - Lyme disease, epidemiology 761
 - Musca* 279
 - Oestrus ovis* 3009
 - Omsk haemorrhagic fever, epidemiology 1047
 - Ornithodoros* 758
 - Paradoxopsyllus scalonae* 607
 - Phlebotominae* 698
 - Phlebotomus* 1680
- USSR cont.**
- rodent burrows, arthropods 4
 - Simuliidae*, pathogens 262
 - Simulium angustitarse* 704
 - Siphonaptera* 25
 - small mammals, ectoparasites 587
 - Tabanidae* 283, 723
 - Tabanus bromius* group 127
 - Tabanus dolini* 128
 - Tetrastichus* 3086
 - tickborne encephalitis, epidemiology 176
 - Toxorhynchites christophi* 618
 - Utricularia vulgaris*, against, *Culex pipiens* 2606
- Vacuuming**
- against
 - Dermatophagoides pteronyssinus* 1864
 - house dust mites 1485, 1881
- Vairimorpha invictae*
- hosts, *Solenopsis invicta* 2148
 - taxonomy, new species 2148
- Vamidothion** (*O,O-dimethyl S-[2-[(1-methyl-2-(methylamino)-2-oxoethyl]thioethyl] phosphorothioate)*
- metabolism, *Musca domestica* 382
- Vanuatu**, *Plasmodium*, epidemiology 2335
- Vapona** (*see* Dichlorvos)
- Vectobac** (*see Bacillus thuringiensis* subsp. *israelensis*)
- Vectors**
- control
 - biological control 393
 - books 1049
 - cost benefit analysis 3
 - parasites, host parasite relationships 3247
 - Vejovis wupatkiensis*, taxonomy, raised to *Serradigitus wupatkiensis* 1896
- Veliidae**
- Iberian Peninsula, catalogues 2327
 - prey, *Anopheles* 688
- Venezuela**
- Aedes aegypti* 1655
 - birds, *Mallophaga* 14
 - Ixodidae* 186
 - Lerneaenicus longiventris* 1500
 - Lutzomyia youngi* 1687
 - Onchocerca volvulus*, epidemiology 2676
 - Phlebotominae* 930
 - Toxorhynchites* 891
 - Triatominae* 2530
 - Trichoprosopon digitatum* 46
 - Venezuelan equine encephalitis, epidemiology 1635
- Venezuelan equine encephalitis virus**, vectors, *Culex*, transmission 1635
- Venoms**
- allergens, immunoblotting 162
 - Androctonus australis*
 - characterization 361, 1494
 - toxicity, arthropods 1258
 - Aphonopelma*, characterization 827
 - Apidae*, biochemistry 1436
 - Apis mellifera*
 - biochemistry 1435
 - characterization 1183, 2759
 - enzymes, purification 2162
 - immunotherapy 160
 - liquid chromatography 307
 - man
 - immune response 2750
 - immunotherapy 976
 - phospholipase A₂
 - IgE 2158
 - inactivation 3106
 - reviews 1765
 - Araneae*, collection 829
 - Araneus gemma*, characterization 1259
 - Atrax*, effects, rats 815
 - Atrax robustus*, characterization 2237
 - Atrax versutus*, characterization 1891
 - Bombus pennsylvanicus*, characterization 3097
 - Brachyelpma emilia*, characterization 823
 - Buthidae*
 - characterization 1893
- Venoms cont.**
- Buthidae**
- cont.
 - purification 1495
 - Dolichovespula maculata*, allergens 1176
- Formicidae**
- biochemistry 1437
 - pH, measurement 2497
- Hymenoptera** 162
- allergens, nomenclature 845
 - biochemistry 1433
 - books 1536
 - characterization 1427
 - collection 1431
 - history 1429
 - immunoglobulins 1768
 - immunotherapy 301
 - man, immunology 755
 - reviews 2408
- Latrodectus pallidus*, effects, mice 1025
- Leiurus quinquestriatus*
- characterization 2238, 3224
 - effects, rats, vasodilators 3227
- Loxosceles reclusa*
- characterization 1260, 2816
 - enzymes 824
- Megascolia flavifrons*, characterization 1444
- Monomorium*, characterization 3117
- Pandinus imperator*, effects, nervous system, frogs 3222
- Phoneutria nigrovirenter*
- effects
 - laboratory animals 822
 - rats 821
 - phospholipase A₂, inhibitors, assays 2494
 - poisonous animals, phospholipase A₂, determination 1987
- Polistes*, albumin, copolymers 2155
- research, history 574
- Scorpiones**
- effects, laboratory animals 2822
 - vertebrates, pathology 819
- Solenopsis invicta* 161
- Steatoda paykulliana*, characterization 826, 2230
- Vespa*
- characterization 2159
 - toxicity, mice 756, 1428
- Vespa orientalis*
- effects
 - blood coagulation 3115
 - man 1445
- Vespidae**
- biochemistry 1434
 - characterization 1771-1772
 - immunology, cross reactions 1773-1774
- Vespula*, ELISA 2747
- Vermipsyllidae**, morphology 1327
- Vernonia mogadoxensis*, extracts, Ixodoidea 376
- Verticillium lecanii*, enzymes, characterization 1525
- Vesicular stomatitis virus**
- Drosophila melanogaster*, cell lines, infection 563, 1030
 - vectors, *Simulium*, infection 1693
- Vespa**
- man, hypersensitivity, skin tests 3100
 - venoms, biochemistry 1434
- Vespa analis*
- man, stings 2159
 - venoms, characterization 2159
- Vespa basalis*
- Pakistan 753
 - prey, *Apis* 753
- Vespa crabro*
- man, stings 2159
 - venoms, characterization 2159
- Vespa luctuosa luctuosa*, venoms, toxicity, mice 756, 1428
- Vespa mandarinia*
- man, stings 2159
 - venoms, characterization 2159
- Vespa mandarinia japonica*, venoms, toxicity, mice 756, 1428
- Vespa orientalis*
- biochemistry, cuticle 2746

- Vespa orientalis** cont.
 pheromones, synthesis 1766
 physiology, cuticle 1441
 venoms
 effects
 blood coagulation 3115
 man 1445
Vespa orientalis orientalis
 Pakistan 753
 prey, *Apis* 753
Vespa simillima xanthoptera
 Japan 3091
 man, stings 2159
 parasitoids 3091
 venoms
 characterization 2159
 toxicity, mice 756, 1428
Vespa tropica
 man, stings 2159
 venoms, characterization 2159
Vespa tropica deusta, venoms, toxicity, mice 756, 1428
Vespa tropica haematoxides
 Pakistan 753
 prey, *Apis* 753
Vespa velutina pruthii
 control, traps 753
 mites 753
 Pakistan 753
 prey, *Apis* 753
Vespa xanthoptera (see *V. simillima xanthoptera*)
Vespidae
 Australia, catalogues 2882
 behaviour, communication, semiochemicals 2161
 man
 hypersensitivity 300-301, 306, 984, 1438, 2156, 2407, 2459, 3094
 diagnosis 1770
 immunotherapy 2154, 2157
 stings 159, 549, 755, 1790
 protection 2409
 morphology
 venom apparatus 1430
 wings, folding 3133
 toxins, pharmacology 3108
 venoms
 biochemistry 1434
 characterization 1427
 immunotherapy 301
 reviews 2408
Vespula
 man
 hypersensitivity 754, 1172, 2757, 3252
 immunotherapy 2153-2154, 2749
 skin tests 3100
 stings 507, 1776
 venoms
 immunoglobulins 1768
 immunotherapy 507
Vespa flavopilosa
 allergens, ELISA 2747
 man, hypersensitivity 2747
Vespa germanica
 behaviour, feeding behaviour 2414
 California 1786
 Chile 2414
 control, traps 1777
 man
 hypersensitivity 3095
 diagnosis 2469
 New Zealand 509
 Ohio 3130
 Pakistan 753
 prey
 Apis 753
 Calliphora 509
 Spain 3095
 urban areas, Maryland 1777
Vespa maculifrons
 biochemistry, sterols 3132
 control, traps 1777
 man, hypersensitivity 1773
 Ohio 3130
 urban areas, Maryland 1777
 venoms 162
 immunology, cross reactions 1773
Vespa pensylvanica
 allergens, ELISA 2747
 control, insecticides 2764
 Hawaii 2764
 man, hypersensitivity 2747
Vespa squamosa
 alarm pheromones 2762
 allergens, ELISA 2747
 behaviour, defence 2762
 man, hypersensitivity 1772-1773, 2747
 venoms
 characterization 1427, 1771-1772
 immunology, cross reactions 1773
Vespa vulgaris
 allergens, ELISA 2747
 California 1764
 ecology, predation 1764
 man
 hypersensitivity 2747
 diagnosis 2469
 New Zealand 509
 prey, *Calliphora* 509
 venoms, immunology, cross reactions 1774
Veterinary entomology
 books 1973-1974
 reports, Kenya 101
 tropics, books 1975
Vibrio, hosts, Culicidae 2576
Viedebantia, evolution, host parasite relationships 2023
Viedebantia schmitzi
Talpa europaea, Netherlands 809
 taxonomy, redescription 809
Vietnam
 arthropods, war 1920
Metabinuncus paracelopos 190
Villages
Anopheles culicifacies, India 2064
Anopheles culicifacies complex, India 672
Anopheles sinensis, China 1622
 Culicidae, China 2066
 Diptera, Malaysia 954
Glossina, Ivory Coast 2097
Glossina palpalis, Congo 102
Phlebotomus chinensis, China 1374
Viruses
 catalogues, books 3350
 man, books 2878
Viverra civetta, *Ixodes*, Zimbabwe 3156
Vulpes cinereoargenteus, Trichodectidae, North America 2931
Vulpes littoralis, Trichodectidae, North America 2931
Vulpes velox, Trichodectidae, North America 2931
Vulpes vulpes
 Ixodidae, China 770
Sarcophaga scabiei, Sweden 2216
 Sarcophiformes, skin diseases 2793
 Trichodectidae, North America 2931
War, arthropods, man 1920
Warbx (see *Famphur*)
Warehouses, Blattaria, California 5
Waste water
Culex, Florida 1351
 Culicidae, California 2964
Water buffalo (see *Buffaloes*)
Water containers
Aedes aegypti, Queensland 2643
Culex, Florida 1347
Culex quinquefasciatus, India 417, 916-917
 Culicidae
 Brazil 75
 French Polynesia 2545
 USSR 630
Culiseta incidunt, California 661
Toxorhynchites theobaldi, Mexico 2629
Weerkang, effects, *Musca domestica* 294
Werneckiella equi
 control, insecticides 2006
 horses, skin diseases 2006
Wesselsbron virus, man, South Africa 366
West Africa, *Simulium damnosum* complex 2373, 2681
West Nile virus
 epidemiology, South Africa 2345
 man, South Africa 366
West Nile virus cont.
 pigs, India 1026
 vectors
 Culex pipiens 38
 Culex univittatus, transmission 2345
 Culicidae, India 419
Western equine encephalitis virus
 taxonomy 1505
 vectors, Culicidae, Argentina 1650
Western Samoa
Aedes polynesiensis 2555
Wuchereria bancrofti, epidemiology 2028, 2342
Whitmire PT 565, against, *Blattella germanica* 2913
Wild animals, tickborne diseases, reviews 1001
Wilhelmina equina (see *Simulium equinum*)
Wilhelmina lineata (see *Simulium lineatum*)
Wohlfahrtia magnifica
 ecology 2113
 livestock, myiasis 2113
 parasitoids 2729
 Romania 2729
 sheep, myiasis 2729
 Spain 2113
Wuchereria
 Asia, bibliographies 1535
 vectors, Culicidae, bibliographies 576
Wuchereria bancrofti
 epidemiology, Western Samoa 2342
 man
 Bangladesh 1640
 books 1976
 Nigeria 3240
 vectors
 Aedes, transmission 2028, 2342
 Anopheles, infection 2635-2636
 Anopheles punctulatus, infection 413
 Culex antennatus, infection 1105
 Culex pipiens
 transmission 54
 vector competence 2055
 Culex quinquefasciatus 243
 prevalence 1667
 transmission 1611
 Culicidae
 Dominican Republic 414
 host parasite relationships 443
 infection 1641
 transmission 1640, 2977
Wyeomyia forcipifer, habitats, Brazil 75
Wyeomyia leucostigma, habitats, Brazil 75
Wyeomyia mitchellii, growth regulators, effects 2577
Wyeomyia smithii
 fenitrothion, toxicity 2981
Sarracenia purpurea 2981
 Pennsylvania 2985
9-Xanthenone, phototoxicity, Culicidae 2567
Xenillus itascensis
 Minnesota 2213
Monoeocestus 2213
 taxonomy, new species 2213
Xenopsylla astia, *Tatera indica*, Kuwait 2909
Xenopsylla cheopis
 evolution, host parasite relationships 614
 insect growth regulators, effects 406
 lactates, repellents 627
 mice, immune response 897
 physiology
 vision 1330
 water relations 2944
 rats 2022
Rickettsia typhi, transmission 2022
 rodents
 Egypt 608, 2024
 Thailand 28
 ultrastructure, rectum 2944
 urban areas, Egypt 2025
Yersinia pseudotuberculosis, transmission 30

- Xenorhabdus nematophilus subsp. *nematophilus***, inclusion bodies, characterization 566
- Xiphias gladius**, parasites, Indian Ocean 1907
- Xylocopa**, venoms, biochemistry 1436
- Xylylcarb** (3,4-dimethylphenyl methylcarbamate) analysis 2280
- Yaks (*Bos grunniens*)** *Hypoderma*, China 1385
- Yellow fever virus** epidemiology Brazil 213 Nigeria 926 man, South Africa 366 vectors *Aedes*, vector competence 2600 *Aedes aegypti*, transmission 897 *Aedes africanus*, transmission 926 *Aedes bromeliae* 663
- Yemen Arab Republic**, Ixodidae 778
- Yersinia enterocolitica** man, Pennsylvania 1028 vectors Diptera, transmission 1161 insects, transmission 1028
- Yersinia pseudotuberculosis subsp. *pestis***, vectors, *Xenopsylla cheopis*, transmission 30
- Yugoslavia** *Cheyletiella* 198 *Cheyletiella blakei* 1885 Ixodidae 1199 *Linognathus* 2938 sandfly fever (Naples) virus, epidemiology 1109 tickborne encephalitis virus, epidemiology 1541
- Zaire** AIDS, epidemiology 433 *Hipposiderobia cloeotis* 189 *Trypanosoma*, epidemiology 3002
- Zambia** *Glossina* 1120, 1122, 2691 Ixodidae 515, 1212, 1239, 2767 Rift Valley fever virus, epidemiology 3246 *Sergentomyia* 2082 *Theileria parva* 2789
- Zebu (*Bos indicus*)** *Amblyomma cajennense*, Brazil 315 *Boophilus microplus* Cuba 512 susceptibility 2774 *Calyptra*, Thailand 1426 Ixodidae Kenya 1244 liveweight gains 1243 pest resistance 990 Sudan 993 Zimbabwe 1192
- Zerconopsis remiger**, *Apodemus tauricus*, Poland 3204
- Zimbabwe** *Amblyomma hebraeum* 989, 1466 Araneae 3217 Argasidae 3155 DDT, residues 385 *Glossina* 945, 1120, 1122, 1124-1125, 1143, 1383, 2100, 2687 parasitoids 101 *Ixodes* 3156 Ixodidae 309, 1214, 1219, 1221, 1242 *Musca domestica* 501, 1424 Muscidae, natural enemies 3076 Palyam group viruses 3243 *Rhipicephalus appendiculatus* 1206, 1226, 1230-1231 *Sergentomyia* 2082 *Theileria parva*, epidemiology 1238
- Zineb** ([1,2-ethanediylbis[carbamodithioato]](2-)]zinc) mutagenicity, *Drosophila melanogaster* 3025
- Zolone** (*see* Phosalone)
- Zoo animals** Diptera, myiasis 2704 *Otobius megnini*, Brazil 1460
- Zoogeography** Scarabaeidae, tropics, islands 2166 Simuliidae, Canary Islands 2091
- Zoological gardens** *Glossina fuscipes*, Congo 463, 1715 *Sarcopetes scabiei*, Czechoslovakia 538
- Zosimus aeneus**, toxins, effects, nervous system 2825
- ZR-515** (*see* Methoprene)
- Zygoptera**, prey, *Anopheles* 688

LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1988 for this journal. All the titles are given in full, except abbreviated titles taken from secondary publications such as *Referativnyi Zhurnal*.

Many other serials were scanned during 1988 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses. See a separate page of this Index for details.

- | | |
|--|---|
| <p>ACIAR Proceedings Series, Australian Centre for International Agricultural Research
 Acta Biochimica et Biophysica Sinica
 Acta Botanica Yunnanica
 Acta Dermato Venereologica
 Acta Entomologica Sinica
 Acta Genetica Sinica
 Acta Horticulturae
 Acta Hydrochimica et Hydrobiologica
 Acta Medica Jugoslavica
 Acta Medica Okayama
 Acta Medica Veterinaria
 Acta Microbiologica Sinica
 Acta Oecologica, Oecologia Generalis
 Acta Oto-Laryngologica
 Acta Parasitologica Polonica
 Acta Protozoologica
 Acta Scientiarum Naturalium Universitatis Sunyatseni
 Acta Tropica
 Acta Virologica
 Acta Zoologica Sinica
 Actes de l'Institut Agronomique et Vétérinaire Hassan II
 Advances in Applied Microbiology
 Advances in Biotechnological Processes
 Advances in Cell Culture
 Advances in Dermatology
 Advances in Ecological Research
 Advances in Insect Physiology
 African Farming and Food Processing
 Agfacts
 Agrártudományi Egyetem Közleményei, Debreceni
 Agricultural and Biological Chemistry
 Agricultural Research, USA
 Agricultural Wastes
 Agriculture, Ecosystems and Environment
 Agronomie
 Alexandria Journal of Agricultural Research
 Allergologia et Immunopathologia
 Allergologie
 Allergy
 Amazoniana
 American Anthropologist
 American Family Physician
 American Journal of Epidemiology
 American Journal of Forensic Medicine and Pathology
 American Journal of Physiology
 American Journal of Public Health
 American Journal of Tropical Medicine and Hygiene
 American Journal of Veterinary Research
 American Midland Naturalist
 American Naturalist
 American Scientist
 Anais da Sociedade Entomológica do Brasil
 Anales de Biología, Biología Animal, I
 Anales del Instituto de Biología, Universidad Nacional Autónoma de México, Zoología, Zoología
 Analytica Chimica Acta
 Angewandte Parasitologie
 Animal Behaviour
 Animal Technology
 Animalis Familiaris
 Annalen des Naturhistorischen Museums in Wien, B
 Annales de Dermatologie et de Vénéréologie
 Annales de l'Institut Pasteur, Virology
 Annales de Parasitologie Humaine et Comparée
 Annales de Pédiatrie
 Annales Entomologici Fennici
 Annals of Agricultural Science, Ain Shams University
 Annals of Allergy
 Annals of Applied Biology
 Annals of Internal Medicine
 Annals of Otology, Rhinology & Laryngology
 Annals of Saudi Medicine</p> | <p>Annals of the Entomological Society of America
 Annals of the Rheumatic Diseases
 Annals of Tropical Medicine and Parasitology
 Année Biologique
 Annual Bulletin of the Society of Parasitology, Guangdong Province
 Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
 Applied and Environmental Microbiology
 Applied Animal Behaviour Science
 Applied Entomology and Zoology
 Applied Microbiology and Biotechnology
 Aquaculture
 Aquatic Insects
 Aquatic Toxicology
 Arab Gulf Journal of Scientific Research, B (Agricultural and Biological Sciences)
 Archiv für Hydrobiologie
 Archiv für Phytopathologie und Pflanzenschutz
 Archives de L'Institut Pasteur de Tunis
 Archives of Biochemistry and Biophysics
 Archives of Dermatology
 Archives of Environmental Contamination and Toxicology
 Archives of Insect Biochemistry and Physiology
 Archives of Internal Medicine
 Archives of Neurology
 Archives of Ophthalmology
 Archives of Virology
 Archives Roumaines de Pathologie Expérimentale et de Microbiologie
 Arctic and Alpine Research
 Arquivo Brasileiro de Medicina Veterinária e Zootecnia
 Arquivos da Faculdade de Veterinária UFRGS
 Arquivos da Universidade Federal Rural do Rio de Janeiro
 Ars Veterinaria
 Asian Medical Journal
 Asian Pacific Journal of Allergy and Immunology
 Atmospheric Environment
 Atti della Società Italiana delle Scienze Veterinarie
 Australian and New Zealand Journal of Medicine
 Australian Journal of Ecology
 Australian Journal of Experimental Agriculture
 Australian Journal of Experimental Biology and Medical Science
 Australian Journal of Zoology
 Australian Veterinary Journal
 Australian Veterinary Practitioner
 Avian Diseases
 Avian Pathology
 Bee World
 Behavioral and Neural Biology
 Behavioral Ecology and Sociobiology
 Behaviour
 Biochemical and Biophysical Research Communications
 Biochemical Genetics
 Biochemical Journal
 Biochemical Pharmacology
 Biochemistry
 Biochemistry International
 Biochimia et Biophysica Acta, N (Gene Structure and Expression)
 Biochimie
 Biológia, Czechoslovakia
 Biological Conservation
 Biological Cybernetics
 Biological Reviews
 Biological Wastes
 Biologicheskie Nauki
 Biológico
 Biology of Behaviour
 BioScience
 Bioscience Reports
 Biotropica
 Boletín de la Dirección de Malariología y Saneamiento Ambiental
 Boletín de la Oficina Sanitaria Panamericana
 Brain Research
 Brazilian Journal of Medical and Biological Research</p> |
|--|---|

- Brenesia
 British Journal of Clinical Practice
 British Journal of Dermatology
 British Journal of Ophthalmology
 British Medical Journal
 British Reports, Translations and Theses
 Buletinul Institutului Agronomic Cluj-Napoca, Zootehnie și Medicină Veterinară
 Bulletin d'Ecologie
 Bulletin de l'Institut Royal des Sciences Naturelles de Belgique, Entomologie
 Bulletin de la Société de Pathologie Exotique et de ses Filiales
 Bulletin de la Société Entomologique d'Égypte
 Bulletin de la Société Zoologique de France
 Bulletin des Groupements Techniques Vétérinaires
 Bulletin des Recherches Agronomiques de Gembloux
 Bulletin et Annales de la Société Royale Belge d'Entomologie
 Bulletin of Animal Health and Production in Africa
 Bulletin of Endemic Diseases
 Bulletin of Entomological Research
 Bulletin of Entomology
 Bulletin of Marine Science
 Bulletin of the Entomological Society of America
 Bulletin of the Institute of Maritime and Tropical Medicine in Gdynia
 Bulletin of the Japanese Society of Scientific Fisheries
 Bulletin of the National Grassland Research Institute, Japan
 Bulletin of the Pan American Health Organization
 Bulletin of the World Health Organization
 Bulletin, Agricultural Experiment Stations, University of Florida
 Bunseki Kagaku
 Cahiers ORSTOM, Entomologie Médicale et Parasitologie
 California Agriculture
 Camel Newsletter
 Canadian Entomologist
 Canadian Family Physician
 Canadian Journal of Botany
 Canadian Journal of Genetics and Cytology
 Canadian Journal of Microbiology
 Canadian Journal of Veterinary Research
 Canadian Journal of Zoology
 Canadian Medical Association Journal
 Canadian Veterinary Journal
 Canine Practice
 Caryologia
 Cecidologia Internationale
 Cell
 Cell and Tissue Research
 Cellular and Molecular Biology
 Centaur
 Central African Journal of Medicine
 Česká Mykologie
 Cheiron
 Chemical & Pharmaceutical Bulletin
 Chemical Communications
 Chemical Senses
 Chemistry and Industry
 Chemosphere
 Chest
 Chinese Journal of Biological Control
 Chinese Journal of Entomology
 Chinese Journal of Parasitology & Parasitic Diseases
 Chinese Journal of Veterinary Science and Technology
 Chromosoma
 Ciencia y Técnica en la Agricultura, Veterinaria
 Ciencias Veterinarias, Costa Rica
 Circular Técnica, Empresa Brasileira de Pesquisa Agropecuária, EMBRAPA
 Clinica Veterinaria
 Clinical Allergy
 Clinical Toxicology
 Coleopterists Bulletin
 Companion Animal Practice
 Comparative Biochemistry and Physiology, A (Comparative Physiology)
 Comparative Biochemistry and Physiology, B (Comparative Biochemistry)
 Comparative Biochemistry and Physiology, C (Comparative Pharmacology and Toxicology)
 Comparative Physiology and Ecology
 Compendium on Continuing Education for the Practicing Veterinarian
 Comptes Rendus de l'Académie des Sciences, III (Sciences de la Vie)
 Comptes Rendus des Séances de la Société de Biologie et de ses Filiales
 Contributions from Shanghai Institute of Entomology
 Cornell Veterinarian
 Current Microbiology
 Current Research, University of Agricultural Sciences, Bangalore
 Current Science, India
- Current Topics in Vector Research
 Cutis
 Cytologia
 Dairy and Food Sanitation
 Dansk Veterinaertidsskrift
 Dermatologische Monatsschrift
 Dermatosen in Beruf und Umwelt
 Deutsche Medizinische Wochenschrift
 Deutsche Tierärztliche Wochenschrift
 Developmental and Comparative Immunology
 Developmental Biology
 Dissertation Abstracts International, B (Sciences and Engineering)
 Doga, Türk Biyoloji Dergisi
 Doga, Türk Tarihim ve Ormancılık
 Doga, Veterinerlik ve Hayvancılık
 Doklady Biological Sciences
 Drug and Therapeutics Bulletin
 Ecological Entomology
 Ecology
 Ecotoxicology and Environmental Safety
 Egyptian Agricultural Bibliography
 EIFAC Technical Paper, FAO
 Ekologiya, Bulgaria
 Entomography
 Entomologia Experimentalis et Applicata
 Entomological News
 Entomologicheskoe Obozrenie
 Entomologisk Tidskrift
 Entomologist's Monthly Magazine
 Entomology Circular, Division of Plant Industry, Florida Department of Agriculture and Consumer Services
 Entomology Memoir, Department of Agriculture and Water Supply, Republic of South Africa
 Entomon
 Entomotaxonomia
 Environment and Ecology
 Environmental Biology of Fishes
 Environmental Entomology
 Environmental Health Criteria
 Environmental Monitoring and Assessment
 Environmental Pollution
 Environmental Research
 Environmental Toxicology and Chemistry
 Eos, Spain
 Epidemiology and Infection
 Equine Practice
 Equine Veterinary Journal
 Estuaries
 Estuarine, Coastal and Shelf Science
 EURO Reports and Studies
 European Journal of Biochemistry
 European Journal of Immunology
 European Journal of Respiratory Diseases
 Evolution
 Experientia
 Experimental and Applied Acarology
 Experimental Biology
 Experimental Mycology
 Experimental Parasitology
 Extension Bulletin, Cooperative Extension, College of Agriculture, Washington State University
 Far Eastern Agriculture
 Farm Building Progress
 FEBS Letters
 Feline Practice
 FEMS Microbiology Ecology
 FEMS Microbiology Letters
 Fitoterapia
 Fleischwirtschaft
 Florida Entomologist
 Folia Entomológica Mexicana
 Folia Parasitologica
 Foreign Animal Disease Report
 Fragmenta Entomologica
 Fragmenta Faunistica
 Freshwater Biology
 Frustula Entomologica
 Gaceta Veterinaria
 Gazette Médicale
 Gene
 Genetic Maps
 Genetica
 Genetical Research
 Genetics
 Genome
 Giornale di Malattie Infettive e Parassitarie
 Goat Veterinary Society Journal
 Graellsia
 Great Basin Naturalist
 Great Lakes Entomologist
 Growth

- Harvest
 Haryana Veterinarian
 Hautarzt
 Health and Hygiene
 Heredity
 Heterocera Sumatrana
 Holarctic Ecology
 Honeybee Science
 Hospital Formulary
 Hospital Practice
 Human Toxicology
 Hydrobiologia
 Immunology Letters
 In Vitro Cellular & Developmental Biology
 Index to Theses Accepted for Higher Degrees in the Universities of Great Britain and Ireland
 Indian Journal of Animal Health
 Indian Journal of Animal Sciences
 Indian Journal of Experimental Biology
 Indian Journal of Malaria
 Indian Journal of Medical Research
 Indian Journal of Parasitology
 Indian Journal of Veterinary Medicine
 Indian Veterinary Journal
 Infection
 Infection and Immunity
 Infection Control
 Insect Biochemistry
 Insect Science and its Application
 International Archives of Allergy and Applied Immunology
 International Journal for Parasitology
 International Journal of Acarology
 International Journal of Biochemistry
 International Journal of Biometeorology
 International Journal of Dermatology
 International Journal of Epidemiology
 International Journal of Insect Morphology and Embryology
 International Journal of Radiation Applications and Instrumentation, A (Applied Radiation and Isotopes)
 International Journal of Systematic Bacteriology
 International Pest Control
 Iowa State Journal of Research
 Irish Naturalists Journal
 Isotope and Radiation Research
 Israel Journal of Medical Sciences
 Israel Journal of Veterinary Medicine
 Israel Journal of Zoology
 Izvestiya Akademii Nauk Turkmenskoi SSR, Biologicheskikh Nauk
 Japanese Journal of Applied Entomology and Zoology
 Japanese Journal of Parasitology
 Japanese Journal of Sanitary Zoology
 Japanese Journal of Veterinary Science
 JARQ (Japan Agricultural Research Quarterly)
 Journal für Ornithologie
 Journal of Advanced Zoology
 Journal of Agricultural Entomology
 Journal of Agriculture - Western Australia
 Journal of Agriculture and Water Resources Research, Animal Production
 Journal of Agriculture of the University of Puerto Rico
 Journal of Allergy and Clinical Immunology
 Journal of Applied Ecology
 Journal of Applied Entomology
 Journal of Applied Ichthyology
 Journal of Arachnology
 Journal of Arid Environments
 Journal of Bacteriology
 Journal of Bengal Natural History Society
 Journal of Biological Chemistry
 Journal of Biological Sciences Research
 Journal of Cell Biology
 Journal of Cell Science
 Journal of Chemical Ecology
 Journal of Chromatographic Science
 Journal of Chromatography
 Journal of Clinical Microbiology
 Journal of Communicable Diseases
 Journal of Comparative Neurology
 Journal of Comparative Pathology
 Journal of Comparative Physiology, A (Sensory, Neural, and Behavioral Physiology)
 Journal of Comparative Physiology, B (Biochemical, Systematic, and Environmental Physiology)
 Journal of Crustacean Biology
 Journal of Dairy Research
 Journal of Economic Entomology
 Journal of Entomological Science
 Journal of Environmental Health
 Journal of Environmental Science and Health, B (Pesticides, Food Contaminants and Agricultural Wastes)
 Journal of Environmental Science and Health, C (Environmental Carcinogenesis Reviews)
 Journal of Equine Veterinary Science
 Journal of Ethology
 Journal of Evolutionary Biochemistry and Physiology
 Journal of Experimental Biology
 Journal of Experimental Marine Biology and Ecology
 Journal of Experimental Medicine
 Journal of Experimental Zoology
 Journal of Field Ornithology
 Journal of Food Protection
 Journal of Food Science and Technology, India
 Journal of General and Applied Microbiology
 Journal of General Physiology
 Journal of General Virology
 Journal of Helminthology
 Journal of Heredity
 Journal of High Resolution Chromatography and Chromatography Communications
 Journal of Immunology
 Journal of Industrial Microbiology
 Journal of Infectious Diseases
 Journal of Insect Behavior
 Journal of Insect Morphology & Embryology
 Journal of Insect Physiology
 Journal of Interdisciplinary Cycle Research
 Journal of Invertebrate Pathology
 Journal of Japanese Society of Grassland Science
 Journal of Labelled Compounds & Radiopharmaceuticals
 Journal of Medical Entomology
 Journal of Molecular Biology
 Journal of Molecular Evolution
 Journal of Morphology
 Journal of Muscle Research and Cell Motility
 Journal of Natural History
 Journal of Natural Products
 Journal of Nematology
 Journal of Neurochemistry
 Journal of Neuroscience
 Journal of Parasitology
 Journal of Parasitology & Parasitic Diseases
 Journal of Pediatrics
 Journal of Pesticide Science
 Journal of Protozoology
 Journal of Submicroscopic Cytology
 Journal of the American Animal Hospital Association
 Journal of the American Chemical Society
 Journal of the American Leather Chemists Association
 Journal of the American Medical Association
 Journal of the American Mosquito Control Association
 Journal of the American Veterinary Medical Association
 Journal of the Australian Entomological Society
 Journal of the Australian Institute of Agricultural Science
 Journal of the Bombay Natural History Society
 Journal of the Egyptian Society of Parasitology
 Journal of the Egyptian Veterinary Medical Association
 Journal of the Entomological Society of Iran
 Journal of the Entomological Society of Southern Africa
 Journal of the Faculty of Agriculture, Kyushu University
 Journal of the Florida Anti-Mosquito Association
 Journal of the Forensic Science Society
 Journal of the Institute of Medicine
 Journal of the Irish Grassland and Animal Production Association
 Journal of the Japan Veterinary Medical Association
 Journal of the Kansas Entomological Society
 Journal of the Medical Association of Thailand
 Journal of the Royal Society of Health
 Journal of the Royal Society of Medicine
 Journal of the South African Veterinary Association
 Journal of Theoretical Biology
 Journal of Thermal Biology
 Journal of Toxicology and Environmental Health
 Journal of Tropical Ecology
 Journal of Tropical Medicine and Hygiene
 Journal of Ultrastructure and Molecular Structure Research
 Journal of Veterinary Medicine, B (Infectious Diseases, Immunology, Food Hygiene, Veterinary Public Health)
 Journal of Veterinary Pharmacology and Therapeutics
 Journal of Virology
 Journal of Wildlife Diseases
 Journal of Zoo Animal Medicine
 Journal of Zoology
 Kajian Veterinar
 Kanpur University Research Journal (Science)
 Kerala Journal of Veterinary Science
 Kitasato Archives of Experimental Medicine
 Kleintierpraxis
 Klinische Monatsblätter für Augenheilkunde
 Konyü
 Korean Arachnology
 Korean Journal of Parasitology

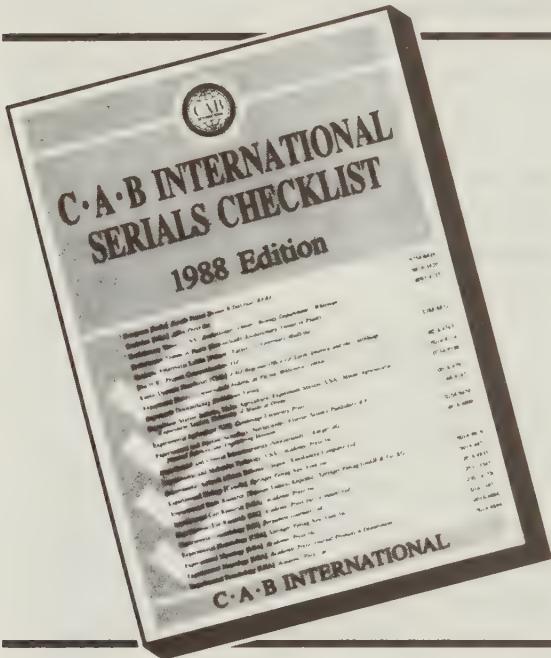
Korean Journal of Veterinary Public Health	Parasitology Research
Korean Journal of Veterinary Research	Parasitology Today
Laboratornoe Delo	Parazitologiya
Laboratory Animal Science	Pediatric Dermatology
Läkartidningen	Pediatric Infectious Disease Journal
Lancet	Pediatrics, USA
Lavori, Società Veneziana di Scienze Naturali	Penyakit Hewan
Leprosy Review	Pesquisa Agropecuária Brasileira
Life Sciences, USA	Pest Control
Livestock Adviser	Pesticide Biochemistry and Physiology
Louisiana Agriculture	Pesticide Science
Lucrări Științifice, Institutul Agronomic "Nicolae Bălcescu", C	Pesticides
(Medicina Veterinară), Romania	Pflügers Archiv
Lucrările Institutului de Cercetări Veterinare și Biopreparate	Pharmacology
"Pasteur"	Pharmazie
Magyar Állatorvosok Lapja	Philippine Agriculturist
Malayan Nature Journal	Philippine Entomologist
Marine Biology	Philosophical Transactions of the Royal Society of London, B (Biological Sciences)
Marine Ecology Progress Series	PHLS Microbiology Digest
Mechanisms of Ageing and Development	Physiological Chemistry and Physics and Medical NMR
Médecine et Maladies Infectieuses	Physiological Entomology
Médecine Tropicale	Physiological Zoology
Medical and Veterinary Entomology	Phytochemistry
Medical History	Phytoparasitica
Medical Hypotheses	Plant Physiology Communications
Medical Journal of Australia	Plasmid
Medical Science Research	Point Vétérinaire
Medicina Veterinaria	Pol'nohospodárstvo
Medicina, Buenos Aires	Polskie Pismo Entomologiczne
Médicine d'Afrique Noire	Postępy Higieny i Medycyny Doświadczalnej
Meditsinskaya Parazitologiya i Parazitarnye Bolezni	Postgraduate Medical Journal
Medycyna Weterynaryjna	Poultry Science
Memoirs of the Entomological Society of Washington	Pratique Médicale & Chirurgicale de l'Animal de Compagnie
Memórias do Instituto Oswaldo Cruz	Praxis und Klinik der Pneumologie
Microbiology and Immunology	Praxis Veterinaria, Italy
Microbiology, USA	Praxis Veterinaria, Yugoslavia
Microbios Letters	Presse Médicale
Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft	Preventive Veterinary Medicine
Mitteilungen der Deutschen Gesellschaft für Allgemeine und Angewandte Entomologie	Proceedings of Parasitology
Mitteilungen der Schweizerischen Entomologischen Gesellschaft	Proceedings of the Australian Society of Animal Production
Molecular Immunology	Proceedings of the Entomological Society of Manitoba
Molecular Microbiology	Proceedings of the Entomological Society of Washington
Monatshefte für Veterinärmedizin	Proceedings of the Helminthological Society of Washington
Monatsschrift Kinderheilkunde	Proceedings of the Indian Academy of Sciences, Animal Sciences
Moscow University Biological Sciences Bulletin	Proceedings of the National Academy of Sciences of the United States of America
Mosquito Borne Diseases Bulletin	Proceedings of the Nova Scotian Institute of Science
Mutation Research	Proceedings of the Royal Society of London, B (Biological Sciences)
Mycologia	Proceedings of the Society for Experimental Biology and Medicine, USA
Mycologist	Psyche
Mycopathologia	Pyrethrum Post
Mysore Journal of Agricultural Sciences	Quaestiones Entomologicae
Nachrichten des Naturwissenschaftlichen Museums der Stadt Aschaffenburg	Rapporti ISTISAN
National Academy of Sciences, India, Science Letters	Recueil de Médecine Vétérinaire
Natural Enemies of Insects	Redia
Natural History	Report Series, Arkansas Agricultural Experiment Station
Nature, UK	Repositório de Trabalhos do Laboratório Nacional de Investigações Veterinárias
Nematology Circular, Division of Plant Industry, Florida Department of Agriculture and Consumer Services	Research in Veterinary Science
Neotropica	Researches on Population Ecology.
Neurochemistry International	Revista Argentina de Microbiología
Neuroscience Letters	Revista Brasileira de Entomologia
New England Journal of Medicine	Revista Chilena de Entomología
New Zealand Entomologist	Revista Cubana de Ciencia Avícola
New Zealand Journal of Marine and Freshwater Research	Revista Cubana de Ciencias Veterinarias
New Zealand Journal of Zoology	Revista da Faculdade de Medicina Veterinária e Zootecnia da Universidade de São Paulo
New Zealand Medical Journal	Revista da Sociedade Brasileira de Medicina Tropical
New Zealand Veterinary Journal	Revista de Agricultura, Piracicaba, Brazil
Nippon Nogeikagaku Kaishi	Revista de Cría de Animales
Nordic Journal of Botany	Revista de la Facultad de Ciencias Veterinarias, Universidad Central de Venezuela
North Dakota Farm Research	Revista de Salud Animal
Növényvédelem	Revista do Instituto de Medicina Tropical de São Paulo
Nucleic Acids Research	Revista Ibérica de Parasitología
Obiettivi e Documenti Veterinari	Revista Instituto Colombiano Agropecuario
Occasional Publications, Entomological Society of Japan	Revista Latinoamericana de Microbiología
Oecologia	Revista Portuguesa de Ciências Veterinárias
Oikos	Revue d'Elevage et de Médecine Vétérinaire de Nouvelle Calédonie
Oncology	Revue d'Elevage et de Médecine Vétérinaire des Pays Tropicaux
Onderstepoort Journal of Veterinary Research	Revue de Médecine Vétérinaire
Ophthalmology	Revue de Nématologie
Pakistan Journal of Agricultural Research	Revue Médicale de Liège
Pakistan Journal of Scientific and Industrial Research	Revue Roumaine de Biologie, Biologie Animale
Pakistan Journal of Zoology	Revue Scientifique et Technique, Office International des Épidémies
Pan-Pacific Entomologist	Rivista di Avicoltura
Papua New Guinea Medical Journal	Rivista di Zootecnica e Veterinaria
Parasite Immunology	Rivista Italiana di Pediatria
Parasitica	Rivista Italiana di Piscicoltura e Ittiopatologia
Parasitologia Hungarica	
Parasitology	

- Roczniki Państwowego Zakładu Higieny
 Roux's Archives of Developmental Biology
 Royal Society of New Zealand Bulletin
 Rural Research
 Sborník Jihoského Muzea v Českých Budějovicích, Přírodní Vědy
 Schweizer Archiv für Tierheilkunde
 Schweizerische Medizinische Wochenschrift
 Science, USA
 Sciences Vétérinaires Médecine Comparée
 Scientific Publication, Freshwater Biological Association
 Scottish Forestry
 Semaine des Hôpitaux de Paris
 Seminars in Dermatology
 Seminars in Veterinary Medicine and Surgery (Small Animal)
 Senckenbergiana Biologica
 Simmentaler Fleckvieh
 Smithsonian Contributions to Zoology
 Sociobiology
 South African Journal of Science
 South African Journal of Wildlife Research
 South African Journal of Zoology
 South African Medical Journal
 Southern Medical Journal
 Southwestern Entomologist
 Southwestern Veterinarian
 SPAN
 State Veterinary Journal
 Summa
 Systematic Entomology
 Systematic Parasitology
 Technical Bulletin, Food and Fertilizer Technology Center for the
 Asian and Pacific Region, Taiwan
 Técnica Pecuaria en México
 Tetrahedron
 Tetrahedron Letters
 Texas Journal of Science
 Theoretical Population Biology
 Thrombosis and Haemostasis
 Tierärztliche Praxis
 Tijdschrift voor Diergeneeskunde
 Tissue & Cell
 Toxicologic Pathology
 Toxicology and Applied Pharmacology
 Toxicology Letters
 Toxicon
 Transactions of the American Entomological Society
 Transactions of the ASAE, American Society of Agricultural
 Engineers
 Transactions of the Royal Society of Tropical Medicine and Hygiene
 Transactions of the Shikoku Entomological Society
 Transplantation
 Tropical and Geographical Medicine
 Tropical Animal Health and Production
 Tropical Medicine and Hygiene News
 Tropical Medicine and Parasitology
 Tropical Pest Management
 Trudy Zoologicheskogo Instituta, Akademiya Nauk SSSR
 Türk Hijyen ve Deneysel Biyoloji Dergisi
 Uttar Pradesh Journal of Zoology
 Uzbekskii Biologicheskii Zhurnal
 Verhandlungen der Deutschen Zoologischen Gesellschaft
 Vestnik Leningradskogo Universiteta, Biologiya
 Veterinaria Argentina
 Veterinaria México
 Veterinariya, Moscow
 Veterinární Medicína
 Veterinarski Arhiv
 Veterinarski Glasnik
 Veterinářství
 Veterinary Allergist
 Veterinary and Human Toxicology
 Veterinary Clinics of North America, Food Animal Practice
 Veterinary Immunology and Immunopathology
 Veterinary Medical Journal
 Veterinary Medical Review, German Federal Republic
 Veterinary Medicine
 Veterinary Microbiology
 Veterinary Parasitology
 Veterinary Pathology
 Veterinary Record
 Veterinary Research Communications
 Veterinary Technician
 Veteriner Fakültesi Dergisi, Ankara Üniversitesi
 Veteriner Fakültesi Dergisi, İstanbul Üniversitesi
 Veteriner Fakültesi Dergisi, Selçuk Üniversitesi
 Vie des Sciences, Comptes Rendus de l'Académie des Sciences,
 Générale
 Vie et Milieu
 Virology Reviews
 Water Research
 Water Resources Bulletin
- West Indian Medical Journal
 Western Journal of Medicine
 Weta
 Wiener Tierärztliche Monatsschrift
 Wool Technology and Sheep Breeding
 World Animal Review
 World Health Organization Technical Report Series
 Xenobiotica
 Yonago Acta Medica
 Yonsei Reports on Tropical Medicine
 Zambia Journal of Science and Technology
 Zeitschrift für die Gesamte Hygiene und ihre Grenzgebiete
 Zeitschrift für Hautkrankheiten
 Zeitschrift für Mikroskopisch-Anatomische Forschung
 Zeitschrift für Naturforschung, B (Chemical Sciences)
 Zeitschrift für Naturforschung, C (Biosciences)
 Zeszyty Naukowe Akademii Rolniczej im. Hugona Kołłątaja w
 Krakowie, Zootechnika
 Zhurnal Mikrobiologii, Épidemiologii i Immunobiologii
 Zimbabwe Veterinary Journal
 Zoological Catalogue of Australia
 Zoological Science
 Zoologicheskii Zhurnal
 Zoologische Jahrbücher, Abteilung für Allgemeine Zoologie und
 Physiologie der Tiere
 Zoologische Mededelingen uitgegeven door het Rijksmuseum van
 Natuurlijke Historie te Leiden
 Zoologischer Anzeiger
 Zoomorphology
 Zootecnica e Nutrizione Animale



CAB INTERNATIONAL SERIALS CHECKLIST 1988

An update of the popular database guide to all journals, serial publications and annual reports abstracted for the CAB ABSTRACTS database.



NEW EDITION ***NOW AVAILABLE***

Contents include:

- Titles of Serials
- Titles of Annual Reports
- Titles of Conference Proceedings
- Index of ISSN's
- List of publishers with addresses

ISBN 0 85198 606 4

(1988)

£30.00 UK

US\$63.00 Americas

£33.00 Elsewhere

To place an order contact:

CAB International
Wallingford
Oxon OX10 8DE
UK
Telephone: (0491) 32111
Telex: 847964 (COMAGG G)
Telefax: (0491) 3350

CAB International
North America
845 North Park Avenue
Tucson, Arizona 85719, USA
Telephone: 800/528-4841
(toll-free)
602/621-7897



C·A·B INTERNATIONAL INFORMATION SERVICES

PRODUCTS AND SERVICES

Almost 100 scientists/linguists in the 11 Bureaux of CABI's Information Services at Wallingford, UK, with help from associated organizations and individuals worldwide, abstract and index the significant research and development literature in agriculture, forestry and allied disciplines. Over 10000 serials and many other publications are scanned, and approximately 130000 bibliographic records are compiled each year. From this computerized database is derived a wide range of information services and products in hard copy and machine-readable form, designed to meet a variety of customer needs.

HARD COPY PRODUCTS

Abstract journals

The following abstract journals on specific disciplines, specialist crops or products, or particular livestock are published, mostly monthly or quarterly. Each has author and subject indexes, cumulated annually in a special issue of the journal.

Animal Science and Production

Animal Breeding Abstracts; Dairy Science Abstracts; Nutrition Abstracts & Reviews, Series B-Livestock Feeds & Feeding; Pig News & Information; Poultry Abstracts.

Veterinary Science and Parasitic Diseases

Animal Disease Occurrence; Helminthological Abstracts, Series A-Animal & Human Helminthology; Index Veterinarius; Protozoological Abstracts; Review of Applied Entomology, Series B-Medical & Veterinary; Review of Medical & Veterinary Mycology; Small Animal Abstracts; Veterinary Bulletin.

Crop Science and Production

Cotton & Tropical Fibres Abstracts; Crop Physiology Abstracts; Faba Bean Abstracts; Field Crop Abstracts; Herbage Abstracts; Horticultural Abstracts; Irrigation & Drainage Abstracts; Lentil Abstracts; Maize Abstracts; Ornamental Horticulture; Plant Breeding Abstracts; Plant Growth Regulator Abstracts; Potato Abstracts; Rice Abstracts; Seed Abstracts; Soils & Fertilizers; Sorghum & Millets Abstracts; Soyabean Abstracts; Tropical Oil Seeds Abstracts; Wheat, Barley & Triticale Abstracts.

Forestry

Agroforestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

Crop Protection

Biocontrol News & Information; Helminthological Abstracts, Series B-Plant Nematology; Review of Applied Entomology, Series A-Agricultural; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology

Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; Rural Extension, Education & Training Abstracts; World Agricultural Economics & Rural Sociology Abstracts.

Machinery and Buildings

Agricultural Engineering Abstracts.

Human Nutrition

Nutrition Abstracts & Reviews Series A-Human & Experimental.

Biotechnology/Biodeterioration

AgBiotech News & Information; Biodeterioration Abstracts.

Also published is a new series of current awareness publications (CAB Prompts) on specific crops. Subject indexes are not provided. Titles in the series so far are: *Groundnuts* and *Chickpeas/Pigeonpeas*.

Many retrospective compilations of abstracts (Annotated Bibliographies) on various topics are available on demand.

SDI Service

SDI (Selective Dissemination of Information) is a regular current awareness service based on the most recent input to the database. Subscribers decide their own search profile and receive search results at intervals of their own choice, either as computer printout or on floppy discs suitable for most microcomputers. Airmail ensures fast delivery.

CAB Alerts

This is a special SDI service providing subscribers each month with the search results from standard profiles chosen by CABI. Numerous titles are available and the list is regularly updated to reflect new subject interests. Output is available on computer printout posted by airmail.

MACHINE-READABLE PRODUCTS AND SERVICES

Online Access

The machine-readable database, known as CAB ABSTRACTS, is publicly accessible online through DIALOG Information Services (USA), BRS Information Technologies (USA), ESA-IRS (Italy), DIMDI (GFR), JICST (Japan), CAN-OLE (Canada) and Tsukuba Daigaku (Japan). The whole database back to 1973 contains over 2 million records. Search aids include the CAB ABSTRACTS Online Manual, the CAB Thesaurus (1988 Edition) and the CAB International Serials Checklist (1988).

Magnetic tapes

Organizations with access to mini or mainframe computers may lease all or part of CAB ABSTRACTS on magnetic tape. Update tapes are issued monthly, and retrospective tapes as required.

OTHER PRODUCTS AND SERVICES

Document Delivery Service

Photocopies of originals of most articles included in the database are available from CABI Library Services, Silwood Park, Ascot, UK. Documents may also be ordered online via DIALOG's DIALORDER or ESA/IRS's PRIMORDIAL.

Books and serial publications

CABI publishes authoritative reference books, directories and serial publications, the latter including *Bulletin of Entomological Research, Index of Current Research on Pigs, Distribution Maps of Pests, Distribution Maps of Plant Diseases, Bibliography of Systematic Mycology, Descriptions of Pathogenic Fungi & Bacteria, Index of Fungi, and Systema Ascomycetum*. CABI is a co-sponsor of the International Food Information Service which publishes *Food Science & Technology Abstracts*.

For further information, contact:

CAB International

Wallingford, Oxon OX10 8DE, UK

Telephone: (0491) 32111

Telex: 847964 (COMAGG G)

Telefax: (0491) 33508

or

CAB International

845 North Park Avenue

Tucson, Arizona 85719, USA

Tel: 800/528-4841 (Toll-free) or 602/621-7897

or

The Maruzen Company Limited (sole agent in Japan)

P.O. Box 5050 Tokyo International

100-31, Japan

RPP	
RMVM	
IB	
IF	
	DCAA



C·A·B INTERNATIONAL

Wallingford, Oxon OX10 8DE, UK

Telephone: (0491) 32111 Telecom Gold/ Dialcom: 84: CAU001

Telex: 847964 (COMAGG G) Fax: (0491) 33508

Director General: Don Mentz BAgSci, BEcon

Director, Information Services: J.R. Metcalfe MA, PhD, DIC, DTA

Director, Scientific Services: D.J. Greenland MA, DPhil, DAgSc, FIBiol

Director, Systems: J.H. Gilmore BSc, MACS

Director, Administrative Services: T. Martin FCA

The Organization

CAB International (CABI) is a not-for-profit, intergovernmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 28, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

Information Services

The main task of the Information Services, located at the CABI International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

- Agricultural Economics
- Animal Breeding & Genetics
- Animal Health
- Dairy Science & Technology
- Nutrition
- Pastures & Field Crops
- Crop Protection
- Horticulture & Plantation Crops
- Plant Breeding & Genetics
- Soils
- Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services worldwide (see inside back cover for details).

Scientific Services

CABI's Scientific Services consist of four Institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St. Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and PAGER for typesetting and information retrieval.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

Copyright

© CAB International, 1989. All rights reserved. No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without the prior permission of the copyright owner.